

Title (en)
 APPARATUS FOR TRANSMITTING AND RECEIVING DIGITAL MULTIMEDIA BROADCASTING AND METHOD THEREOF

Title (de)
 VORRICHTUNG ZUM SENDEN UND EMPFANGEN DIGITALER MULTIMEDIA-RUNDFUNKINHALTE UND ENTSPRECHENDES VERFAHREN

Title (fr)
 APPAREIL D'ÉMISSION ET DE RÉCEPTION DE DIFFUSION MULTIMÉDIA NUMÉRIQUE ET PROCÉDÉ CORRESPONDANT

Publication
EP 2316225 A4 20120222 (EN)

Application
EP 09806880 A 20090814

Priority

- KR 2009004567 W 20090814
- KR 20080079814 A 20080814
- KR 20080126114 A 20081211
- KR 20090075191 A 20090814

Abstract (en)
 [origin: WO2010019018A2] An apparatus for transmitting digital multimedia broadcasting includes: a base layer processor that outputs a base layer stream; an enhancement layer processor that outputs an enhancement layer stream; and a transmitter that modulates the enhancement layer stream based on one of a first and second hierarchical modulation modes using different modulation schemes and maps a symbol of the modulated enhancement layer stream based on a symbol position of the base layer stream to generate a transmission frame.

IPC 8 full level
H04N 21/2383 (2011.01); **H03M 13/35** (2006.01); **H04N 7/24** (2011.01); **H04N 21/438** (2011.01); **H04N 21/63** (2011.01); **H04N 21/647** (2011.01)

CPC (source: EP KR)
H03M 13/35 (2013.01 - EP); **H04N 7/015** (2013.01 - KR); **H04N 21/2383** (2013.01 - EP); **H04N 21/4382** (2013.01 - EP); **H04N 21/63** (2013.01 - KR); **H04N 21/631** (2013.01 - EP); **H04N 21/64792** (2013.01 - EP)

Citation (search report)

- [XYI] WO 2008069600 A1 20080612 - KOREA ELECTRONICS TELECOMM [KR], et al
- [X] WO 2007037618 A1 20070405 - KOREA ELECTRONICS TELECOMM [KR], et al
- [Y] "Digital Video Broadcasting (DVB); Framing structure, channel coding and modulation for digital terrestrial television", EUROPEAN TELECOMMUNICATION STANDARD, XX, XX, vol. EN 300 744 V 1.5.1, 1 June 2004 (2004-06-01), pages 1 - 64, XP002980053
- [A] SAMMO CHO ET AL: "System and Services of Terrestrial Digital Multimedia Broadcasting (T-DMB)", IEEE TRANSACTIONS ON BROADCASTING, IEEE SERVICE CENTER, PISCATAWAY, NJ, US, vol. 53, no. 1, 1 March 2007 (2007-03-01), pages 171 - 178, XP011172014, ISSN: 0018-9316, DOI: 10.1109/TBC.2007.891712
- [A] "Recommendation ITU-R BT.1833 Broadcasting of multimedia and data applications for mobile reception by handheld receivers", April 2008 (2008-04-01), pages 1 - 48, XP002666682, Retrieved from the Internet <URL:http://www.itu.int/dms_pubrec/itu-r/rec/bt/R-REC-BT.1833-0-200712-S!! PDF-E.pdf> [retrieved on 20120105]
- [A] "Radio Broadcasting Systems; Digital Audio Broadcasting (DAB) to mobile, portable and fixed receivers European Broadcasting Union Union Européenne de Radio-Télévision EBUÛER; Final draft ETSI EN 300 401", 20060101, vol. BC, no. V1.4.1, 1 January 2006 (2006-01-01), XP014032143, ISSN: 0000-0001
- See references of WO 2010019018A2

Designated contracting state (EPC)
 AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO SE SI SK SM TR

DOCDB simple family (publication)
WO 2010019018 A2 20100218; **WO 2010019018 A3 20110407**; EP 2316225 A2 20110504; EP 2316225 A4 20120222; KR 20100021381 A 20100224

DOCDB simple family (application)
KR 2009004567 W 20090814; EP 09806880 A 20090814; KR 20090075191 A 20090814