

Title (en)

APPARATUS AND METHOD FOR TRANSMITTING/RECEIVING 3D STEREOSCOPIC DIGITAL BROADCAST SIGNAL BY USING 3D STEREOSCOPIC VIDEO ADDITIONAL DATA

Title (de)

VORRICHTUNG UND VERFAHREN ZUM SENDEN/EMPFANGEN EINES STEREOSKOPISCHEN DIGITALEN 3D-AUSSTRAHLUNGSSIGNALS DURCH VERWENDUNG VON ZUSÄTZLICHEN STEREOSKOPISCHEN 3D-VIDEODATEN

Title (fr)

DISPOSITIF ET PROCEDE POUR LA TRANSMISSION/RECEPTION DE SIGNAL DE DIFFUSION NUMERIQUE STEREOSCOPIQUE 3D PAR LE BIAIS DE DONNEES VIDEO STEREOSCOPIQUES 3D SUPPLEMENTAIRES

Publication

**EP 1751979 A1 20070214 (EN)**

Application

**EP 04808260 A 20041130**

Priority

- KR 2004003129 W 20041130
- KR 20040036566 A 20040521

Abstract (en)

[origin: WO2005114998A1] Provided are a three-dimensional (3D) stereoscopic digital broadcasting transmitting/receiving apparatus and method using 3D stereoscopic video additional data. The apparatus and method is compatible with a two-dimensional (2D) digital broadcasting system by defining and processing 3D stereoscopic video additional data, such as another 3D video, disparity information, and depth information, as an additional stream added to a 2D video transport stream, which is different from the conventional method that provides a 3D stereoscopic digital broadcasting system by using video of another viewpoint. The 3D stereoscopic digital broadcast transmitting apparatus includes: a video acquiring unit; an audio data acquiring unit, an encoding unit, a program specific information (PSI) generating unit, a packetizing unit, a transport stream (TS) generating unit, a multiplexing unit, and a modulating unit.

IPC 8 full level

**H04H 20/28** (2008.01); **H04H 20/95** (2008.01); **H04N 7/08** (2006.01); **H04N 7/173** (2006.01); **H04N 13/00** (2006.01); **H04N 21/235** (2011.01); **H04N 21/236** (2011.01); **H04N 21/431** (2011.01); **H04N 21/435** (2011.01)

CPC (source: EP KR)

**H04N 7/08** (2013.01 - KR); **H04N 13/178** (2018.04 - EP); **H04N 13/194** (2018.04 - EP); **H04N 19/597** (2014.11 - EP); **H04N 21/235** (2013.01 - EP); **H04N 21/23614** (2013.01 - EP); **H04N 21/2365** (2013.01 - EP); **H04N 21/2389** (2013.01 - EP); **H04N 21/4348** (2013.01 - EP); **H04N 21/435** (2013.01 - EP)

Cited by

US8953019B2; US9674502B2

Designated contracting state (EPC)

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

DOCDB simple family (publication)

**WO 2005114998 A1 20051201**; CN 100563324 C 20091125; CN 1954606 A 20070425; EP 1751979 A1 20070214; EP 1751979 A4 20091223; JP 2008500790 A 20080110; JP 4828535 B2 20111130; KR 100585966 B1 20060601; KR 20050111379 A 20051124

DOCDB simple family (application)

**KR 2004003129 W 20041130**; CN 200480043102 A 20041130; EP 04808260 A 20041130; JP 2007526966 A 20041130; KR 20040036566 A 20040521