

Title (en)
3-DIMENSIONAL DIGITAL MULTIMEDIA BROADCASTING SYSTEM

Title (de)
DREIDIMENSIONALES DIGITALES MULTIMEDIA-AUSSTRAHLUNGSSYSTEM

Title (fr)
SYSTEME DE DIFFUSION MULTIMEDIA NUMERIQUE TRIDIMENSIONNEL

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EP 1776832 A1 20070425 (EN)

Application
EP 04808668 A 20041230

Priority

- KR 2004003540 W 20041230
- KR 20040062418 A 20040809

Abstract (en)
[origin: WO2006016735A1] Provide is a 3-dimensional Digital Multimedia Broadcasting (3D DMB) system. The present invention can provide a 3D DMB system providing a more realistic 3D Audio/Video (AV) service to a user, while maintaining comparability with a conventional DMB system, by processing a binocular 3D image and 3D sound based on a conventional system structure. The 3D DMB system includes: a video encoder for receiving and encoding a video signal of a binocular 3D image; an audio encoder for receiving and encoding an audio signal of a 3D sound; a packetizer for packetizing the encoded video and audio signals into an Sync Layer (SL) packet; and a multiplexer for transforming and multiplexing the SL packet packetized by the packetizer. A 3D DMB receiving system includes: a demultiplexer for demultiplexing a stream including binocular 3D image information and 3D sound information; a depacketizer for depacketizing the SL packet and outputting a decoding stream of an 3D video signal and a 3D sound audio signal; a video decoder for decoding a encoding stream for a video signal of the binocular 3D image; an audio decoder for decoding a encoding stream for the 3D sound audio signal; and a scene restorer for forming and outputting a 2D AV or 3D AV scene by using a video/3D additional video and an audio/3D additional audio signal which are received from the video decoder and the audio decoder.

IPC 8 full level
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Cited by
US9384742B2; US9792918B2

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