

Title (en)
DATA SERVICE MANAGING APPARATUS AND METHOD FOR FREQUENCY BAND EXTENSION AND DMB DATA SERVER USING THE SAME
AND DMB RECEIVING SYSTEM FOR BROADBAND DATA SERVICE

Title (de)
DATENDIENST-VERWALTUNGSVORRICHTUNG UND VERFAHREN ZUR FREQUENZBANDERWEITERUNG UND DMB-DATENSERVR
DAMIT UND DMB-EMPFANGSSYSTEM FÜR BREITBAND-DATENDIENST

Title (fr)
DISPOSITIF DE GESTION D'UN SERVICE DE DONNEES/PROCEDE D'EXTENSION DE BANDE DE FREQUENCE ET SERVEUR DE BASE DE
DONNEES DMB UTILISANT LESDITS DISPOSITIF ET PROCEDE ET SYSTEME RECEPTEUR DMB POUR SERVICE DE DONNEES A BANDE
LARGE

Publication
EP 1946547 A4 20120606 (EN)

Application
EP 06769135 A 20060630

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• KR 20050097112 A 20051014

Abstract (en)
[origin: WO2007043745A1] Provided are a data service managing apparatus and method for a frequency band extension, a Digital Multimedia Broadcasting (DMB) data server using the same, and a DMB receiving system for a broadband data service. The data service managing apparatus for the frequency band extension accommodates a broadband DMB data service by using a basic DMB transmission system having a predetermined basic frequency band and an additional DMB transmission system having an additional frequency band other than the basic frequency band. The apparatus includes: a band confirmation unit for confirming a frequency band used for each data service; and a data distributor for distributing service data to a system capable of processing the service data among the basic DMB transmission system and the additional DMB transmission system based on the frequency band confirmed by the band confirmation unit.

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Citation (search report)
• [IY] US 2004063399 A1 20040401 - MILBAR MAREK [US]
• [IY] US 2005099938 A1 20050512 - SARRAF MOHSEN [US], et al
• [IY] US 2004022326 A1 20040205 - MORRISH JOHN [GB], et al
• [XY] US 2005141627 A1 20050630 - WALKER GLENN A [US], et al
• [A] WO 2005020576 A1 20050303 - KOREA ELECTRONICS TELECOMM [KR], et al
• [IY] JIANG H ET AL: "A Hierarchical Modulation for Upgrading Digital Broadcast Systems", IEEE TRANSACTIONS ON BROADCASTING, IEEE SERVICE CENTER, PISCATAWAY, NJ, US, vol. 51, no. 2, 1 June 2005 (2005-06-01), pages 223 - 229, XP011132694, ISSN: 0018-9316, DOI: 10.1109/TBC.2005.847619
• [I] TEN KATE W R T ET AL: "Digital audio carrying extra information", ICASSP 90. 1990 INTERNATIONAL CONFERENCE ON ACOUSTICS, SPEECH AND SIGNAL PROCESSING (CAT. NO.90CH2847-2) IEEE NEW YORK, NY, USA, 1990, pages 1097 - 1100, XP002673836, DOI: 10.1109/ICASSP.1990.116125
• See references of WO 2007043745A1

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