

Title (en)
APPARATUS FOR CHANNEL ENCODING FOR ENHANCEMENT LAYER OF DIGITAL MULTIMEDIA BROADCASTING TRANSMITTER, DIGITAL MULTIMEDIA BROADCASTING TRANSMITTER SYSTEM, DIGITAL MULTIMEDIA BROADCASTING RECEIVING SYSTEM AND EXPANSION-FORM OF FIG 0/1

Title (de)
VORRICHTUNG ZUR KANALKODIERUNG FÜR EINE ANREICHERUNGSSCHICHT EINES DIGITALEN MULTIMEDIA-RUNDFUNKSENDERS, DIGITALES MULTIMEDIA-RUNDFUNKSENDERSYSTEM, DIGITALES MULTIMEDIA-RUNDFUNKEMPFANGSSYSTEM UND EXPANSIONSFORM VON FIG 0/1

Title (fr)
APPAREIL POUR CODAGE DE CANAL POUR COUCHE D'AMÉLIORATION D'UN ÉMETTEUR DE RADIODIFFUSION MULTIMÉDIA NUMÉRIQUE, SYSTÈME ÉMETTEUR DE RADIODIFFUSION MULTIMÉDIA NUMÉRIQUE, SYSTÈME RÉCEPTEUR DE RADIODIFFUSION MULTIMÉDIA NUMÉRIQUE ET EXPANSION-MISE EN FORME DE

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Abstract (en)
[origin: WO2008136618A1] The present invention relates to a channel encoder for an enhancement layer of a digital-multimedia-broadcasting transmitting device, a digital broadcasting transmitting device, a digital broadcasting receiving device, and an extension structure of sub-channel configuration field (FIG0/1) for designating a protection level of sub-channel at the enhancement layer. In a channel encoder for the enhancement layer according to the invention, the channel encoder is included in a hierarchical DMB transmitting unit that modulates a base layer transport stream and a enhancement layer transport stream for video and audio by a base layer modulation system and an enhancement layer modulation system, respectively, and performs symbol mapping of the enhancement layer according to the position of a constellation based on the base layer modulation system. Furthermore, the hierarchical DMB transmitting unit includes an energy dispersal scrambler that disperses energy of the enhancement layer transport stream, and a turbo encoder that receives a double-binary input vector corresponding to an output of the energy dispersal scrambler and encodes it by using a double-binary circular recursive systematic code.

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• See references of WO 2008136618A1

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