

Title (en)

DIGITAL BROADCAST TRANSMITTING/RECEIVING SYSTEM HAVING AN IMPROVED RECEIVING PERFORMANCE AND SIGNAL PROCESSING METHOD THEREOF

Title (de)

DIGITALES BROADCAST-SENDE-/EMPFANGSSYSTEM MIT VERBESSERTER EMPFANGSLEISTUNGSFÄHIGKEIT UND SIGNALVERARBEITUNGSVERFAHREN DAFÜR

Title (fr)

SYSTEME D'EMISSION/RECEPTION DE DIFFUSION NUMERIQUE A FONCTIONNEMENT DE RECEPTION AMELIORE ET SON PROCEDE DE TRAITEMENT DE SIGNAL

Publication

EP 1709800 A1 20061011 (EN)

Application

EP 05726250 A 20050120

Priority

- KR 2005000179 W 20050120
- US 53911104 P 20040127
- KR 20040086516 A 20041028

Abstract (en)

[origin: WO2005071958A1] A digital broadcast transmitting/receiving system and a signal processing method thereof that can improve the receiving performance of the system. A digital broadcast transmitter has a randomizer to randomize an input data stream which has null bytes being inserted at a specified position, a multiplexer to output a data stream formed by inserting specified known data into the position of the null bytes of the randomized data stream, an encoder to encode the data stream outputted from the multiplexer, and a modulator/RF-converter to modulate the encoded data, RF-convert the modulated data and transmit the RF-converted data. The receiving performance of the digital broadcast transmitting/receiving system can be improved even in a multi-path channel by detecting the known data from the received signal and using the known data in synchronization and equalization in a digital broadcast receiver.

IPC 8 full level

H04N 7/015 (2006.01); **H04H 20/95** (2008.01); **H04H 60/11** (2008.01); **H04N 21/236** (2011.01); **H04N 21/2383** (2011.01); **H04N 21/438** (2011.01); **H04N 21/4385** (2011.01)

IPC 8 main group level

H04H 1/00 (2006.01)

CPC (source: EP)

H04H 20/95 (2013.01); **H04H 60/11** (2013.01); **H04L 1/0065** (2013.01); **H04L 1/0071** (2013.01); **H04L 27/04** (2013.01); **H04N 19/61** (2014.11); **H04N 21/4382** (2013.01); **H04L 2025/03382** (2013.01)

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DOCDB simple family (publication)

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