

Title (en)
DIGITAL BROADCASTING TRANSMISSION/ RECEPTION CAPABLE OF IMPROVING A RECEIVING PERFORMANCE AND A SIGNAL PROCESSING METHOD THEREOF

Title (de)
SENDEN/EMPFANGEN FÜR DIGITAL-BROADCAST MIT DER FÄHIGKEIT ZUR VERBESSERUNG EINER EMPFANGSLEISTUNGSFÄHIGKEIT UND SIGNALVERARBEITUNGSVERFAHREN DAFÜR

Title (fr)
EMISSION/RECEPTION DE RADIODIFFUSION NUMERIQUE AMELIORANT LES PERFORMANCES DE RECEPTION, ET PROCEDE DE TRAITEMENT DE SIGNAUX ASSOCIE

Publication
EP 1645126 A4 20110413 (EN)

Application
EP 04773906 A 20040610

Priority

- KR 2004001383 W 20040610
- US 48691503 P 20030715
- KR 20030064001 A 20030916

Abstract (en)
[origin: WO2005006750A1] A digital broadcasting transmission/reception system having an improved receiving performance and a signal processing method thereof. The transmission system includes a FEC encoder encoding an incoming signal according to a certain FEC scheme, a sync insertion unit inserting a sync into the encoded signal, a hidden pilot insertion unit inserting a hidden pilot into the sync-inserted signal, a pilot insertion unit inserting a pilot tone into the hidden-pilot-inserted signal, a pulse shaping filter pulse-shaping the pilot-tone-inserted signal with a certain roll-off factor, and a RF unit transmitting the pulse-shaped signal through a transmission channel band. Performances of equalization and synchronization acquirement can be enhanced in multipath conditions by utilizing the transmission system containing the hidden pilot.

IPC 8 full level
H04N 5/00 (2006.01); **H04N 5/21** (2006.01); **H04N 7/015** (2006.01); **H04N 7/24** (2006.01); **H04N 5/44** (2006.01)

CPC (source: EP)
H04N 5/211 (2013.01); **H04N 21/2383** (2013.01); **H04N 21/242** (2013.01); **H04N 21/4382** (2013.01); **H04N 21/426** (2013.01)

Citation (search report)

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- See references of WO 2005006750A1

Citation (examination)

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Designated contracting state (EPC)
DE GB NL

DOCDB simple family (publication)
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DOCDB simple family (application)
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