

Title (en)  
TRANSMITTING ANTENNA SYSTEM, METHOD AND PROGRAM THAT CAN ADAPT TO PROPAGATION CONDITIONS FOR RADIO BROADCASTING

Title (de)  
SENDEANTENNENSYSTEM, VERFAHREN UND PROGRAM, DIE SICH FÜR DIE FUNKAUSSTRAHLUNG AN AUSBREITUNGSBEDINGUNGEN ANPASSEN KÖNNEN

Title (fr)  
PROCEDE, PROGRAMME ET SYSTEME D'ANTENNES D'EMISSION ADAPTATIVES AUX CONDITIONS DE PROPAGATION POUR DIFFUSION RADIOELECTRIQUE

Publication  
**EP 1964282 A1 20080903 (FR)**

Application  
**EP 06842003 A 20061106**

Priority  
• FR 2006051142 W 20061106  
• FR 0553486 A 20051117

Abstract (en)  
[origin: WO2007057591A1] In order to broadcast synchronized radio waves in at least one frequency band in a predetermined territory, antennas (AS, ATI, AE) transmit waves toward respective coverage areas in which receivers (RQ, RB) measure characteristics of the transmitted waves and transmit them to a central server (SC). The server that analyzes the characteristics according to forecasting models on the broadcasting of waves in the territory in order to determine adjustment parameters for the antennas. The server transmits the adjustment parameters to antennas for controlling them in order to provide a larger diversity of radio broadcasting services and to optimize the coverage areas according to different wave propagation modes.

IPC 8 full level  
**H04B 7/02** (2018.01)

CPC (source: EP US)  
**H04B 7/02** (2013.01 - EP US); **H04W 16/18** (2013.01 - EP US)

Citation (search report)  
See references of WO 2007057591A1

Cited by  
EP3975453A1

Designated contracting state (EPC)  
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC NL PL PT RO SE SI SK TR

DOCDB simple family (publication)  
**FR 2893466 A1 20070518; FR 2893466 B1 20080104**; CA 2629891 A1 20070524; CA 2629891 C 20120911; CN 101310453 A 20081119; CN 101310453 B 20121128; EP 1964282 A1 20080903; US 2008278387 A1 20081113; US 8219033 B2 20120710; WO 2007057591 A1 20070524

DOCDB simple family (application)  
**FR 0553486 A 20051117**; CA 2629891 A 20061106; CN 200680042852 A 20061106; EP 06842003 A 20061106; FR 2006051142 W 20061106; US 9317606 A 20061106