Title (en)

METHOD AND SYSTEM FOR DATA BROADCAST FROM A SATELLITE

Title (de)

VERFAHREN UND SYSTEM ZUM RUNDSENDEN VON DATEN VON EINEM SATELLITEN

Title (fr)

PROCEDE ET SYSTEME DE DIFFUSION D'INFORMATIONS DEPUIS UN SATELLITE

Publication

EP 1425864 A1 20040609 (FR)

Application

EP 02785492 A 20020911

Priority

- FR 0203087 W 20020911
- FR 0111921 A 20010914

Abstract (en)

[origin: FR2829890A1] The method for reducing mutual interference of a digital data transmission or broadcast from a satellite to a terrestrial receiver uses broadcast through sub-bands. The sub-bands are assigned to different terrestrial zones in which terrestrial network links are provided. The information from the satellite is distributed over several carriers belonging to a group of carriers distributed in a channel assembly covering at least four of the frequency sub-bands, by spectral spreading. The method for reducing mutual interference of a digital data transmission or broadcast from a satellite to a terrestrial receiver uses broadcast through sub-bands each of specific and narrow frequency. The sub-bands belong to an extended band, the sub-bands being assigned to different terrestrial zones in which terrestrial network links are provided. The information from the satellite is converted in the form of digital symbols, and the digital symbols are distributed over several carriers belonging to a group of carriers distributed in a channel assembly covering at least four of the frequency sub-bands, by spectral spreading. The channel uses a width of 170MHz for a satellite link in the 620-790MHz band, and a width of 392MHz for a satellite link in the 470-862MHz band.

IPC 1-7

H04B 7/216; H04B 7/185

IPC 8 full level

H04B 7/185 (2006.01); **H04B 7/216** (2006.01)

CPC (source: EP US)

H04B 7/18513 (2013.01 - EP US); **H04B 7/216** (2013.01 - EP US)

Citation (search report)

See references of WO 03026163A1

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR IE IT LI LU MC NL PT SE SK TR

DOCDB simple family (publication)

FR 2829890 A1 20030321; **FR 2829890 B1 20031205**; EP 1425864 A1 20040609; US 2004235419 A1 20041125; WO 03026163 A1 20030327

DOCDB simple family (application)

FR 0111921 A 20010914; EP 02785492 A 20020911; FR 0203087 W 20020911; US 79665104 A 20040308