

Title (en)

ALLROUND AERIAL ARRANGEMENT FOR RECEIVING TERRESTRIAL AND SATELLITE SIGNALS

Title (de)

KOMBINIERTE ANTENNENANORDNUNG ZUM EMPFANG TERRESTRISCHER- SOWIE SATELLITEN-SIGNALE

Title (fr)

ENSEMBLE D'ANTENNES MIXTE POUR LA RECEPTION DE SIGNAUX TERRESTRES ET TRANSMIS PAR SATELLITES

Publication

**EP 1393405 A2 20040303 (DE)**

Application

**EP 03706589 A 20030227**

Priority

- DE 10209996 A 20020307
- EP 0302027 W 20030227

Abstract (en)

[origin: WO03075394A2] The invention relates to an improved allround aerial arrangement for receiving terrestrial, especially vertically polarized signals and for receiving especially circularly polarized satellite signals according to satellite digital audio radio services (SDARS), preferably in the 2.3 GHz range, exhibiting the following characteristics: a monopole arrangement (7) is provided in order to receive terrestrial signals; a satellite reception antenna is provided to receive the circularly polarized satellite signals; only one single monopole (7) is provided; the satellite reception antenna consists of a patch aerial (9).

IPC 1-7

**H01Q 1/00**

IPC 8 full level

**H01Q 9/04** (2006.01); **H01Q 9/30** (2006.01); **H01Q 9/32** (2006.01); **H01Q 9/42** (2006.01); **H01Q 13/08** (2006.01); **H01Q 13/18** (2006.01); **H01Q 21/24** (2006.01); **H01Q 21/28** (2006.01)

CPC (source: EP US)

**H01Q 9/0407** (2013.01 - EP US); **H01Q 9/0428** (2013.01 - EP US); **H01Q 9/32** (2013.01 - EP US); **H01Q 21/24** (2013.01 - EP US); **H01Q 21/28** (2013.01 - EP US)

Citation (search report)

See references of WO 03075394A2

Designated contracting state (EPC)

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

DOCDB simple family (publication)

**WO 03075394 A2 20030912**; **WO 03075394 A3 20031224**; AU 2003208774 A1 20030916; AU 2003208774 A8 20030916; BR 0303337 A 20040706; DE 10209996 A1 20031009; DE 20221946 U1 20090917; EP 1393405 A2 20040303; JP 2005519508 A 20050630; MX PA03010485 A 20041206; PL 368348 A1 20050321; US 2004140940 A1 20040722; US 6909400 B2 20050621

DOCDB simple family (application)

**EP 0302027 W 20030227**; AU 2003208774 A 20030227; BR 0303337 A 20030227; DE 10209996 A 20020307; DE 20221946 U 20020307; EP 03706589 A 20030227; JP 2003573733 A 20030227; MX PA03010485 A 20030227; PL 36834803 A 20030227; US 47669203 A 20031204