

Title (en)

ANTENNA OF THE HELIX TYPE HAVING RADIATING STRANDS WITH A SINUSOIDAL PATTERN AND ASSOCIATED MANUFACTURING PROCESS

Title (de)

ANTENNE DES HELIXTYPUS MIT STRAHLENDEN STRÄNGEN MIT EINEM SINUSFÖRMIGEN MUSTER UND DIESBEZÜGLICHER HERSTELLUNGSPROZESS

Title (fr)

ANTENNE DE TYPE HELICE A BRINS RAYONNANTS A MOTIF SINUSOÏDAL ET PROCEDE DE FABRICATION ASSOCIE

Publication

**EP 2191537 A1 20100602 (FR)**

Application

**EP 08804012 A 20080911**

Priority

- EP 2008062045 W 20080911
- FR 0757485 A 20070911

Abstract (en)

[origin: WO2009034125A1] The invention relates to an antenna of the helix type, comprising a plurality of radiating strands wound in a helix in an axisymmetric form (15), characterized in that each radiating strand is made up of at least one reference pattern (MR1, MR2, MR3) defined by an analytic function defined in a reference frame, the axis of the abscissae of which is the director axis of the radiating strands and is a periodic function of (I) or (II) and Ak correspond respectively to the frequency and to the amplitude of the sinusoid of index k.

IPC 8 full level

**H01Q 1/38** (2006.01); **H01Q 11/08** (2006.01)

CPC (source: EP US)

**H01Q 1/38** (2013.01 - EP US); **H01Q 11/08** (2013.01 - EP US)

Citation (search report)

See references of WO 2009034125A1

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MT NL NO PL PT RO SE SI SK TR

Designated extension state (EPC)

AL BA MK RS

DOCDB simple family (publication)

**FR 2920917 A1 20090313; FR 2920917 B1 20100820**; EP 2191537 A1 20100602; US 2010194665 A1 20100805; US 8259030 B2 20120904; WO 2009034125 A1 20090319

DOCDB simple family (application)

**FR 0757485 A 20070911**; EP 08804012 A 20080911; EP 2008062045 W 20080911; US 67759708 A 20080911