

Title (en)

COMPACT ANTENNA STRUCTURE FOR SATELLITE TELECOMMUNICATIONS

Title (de)

KOMPAKTE ANTENNENSTRUKTUR FÜR SATELLITENTELEKOMMUNIKATION

Title (fr)

STRUCTURE ANTENNAIRE COMPACTE POUR TÉLÉCOMMUNICATIONS PAR SATELLITES

Publication

EP 3075032 B1 20220615 (FR)

Application

EP 14805281 A 20141128

Priority

- FR 1302759 A 20131128
- EP 2014075996 W 20141128

Abstract (en)

[origin: WO2015079038A2] The invention relates to an antenna structure (10) for telecommunications, in particular by satellite, characterised in that the antenna structure (10) includes at least one dipole antenna (12) having a helical shape and sized to transmit and/or receive at least one electromagnetic wave having a frequency higher than 4 GHz, preferably 4 GHz to 50 GHz, in particular in a spectral band selected among the X band and the Ku band.

IPC 8 full level

H01Q 11/08 (2006.01); **H01Q 1/42** (2006.01); **H01Q 21/00** (2006.01); **H01Q 21/06** (2006.01); **H01Q 21/08** (2006.01); **H01Q 21/20** (2006.01)

CPC (source: EP)

H01Q 11/08 (2013.01); **H01Q 21/0012** (2013.01); **H01Q 21/067** (2013.01); **H01Q 21/08** (2013.01); **H01Q 21/20** (2013.01); **H01Q 1/42** (2013.01)

Citation (examination)

- JP 2004056280 A 20040219 - ALPS ELECTRIC CO LTD
- US 2010309089 A1 20101209 - COLLINSON DONALD L [US], et al
- GB 2227369 A 19900725 - TDK CORP [JP]
- JP 2004056280 A 20040219 - ALPS ELECTRIC CO LTD
- US 2010309089 A1 20101209 - COLLINSON DONALD L [US], et al

Designated contracting state (EPC)

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

DOCDB simple family (publication)

FR 3013905 A1 20150529; **FR 3013905 B1 20170519**; EP 3075032 A2 20161005; EP 3075032 B1 20220615; ES 2926932 T3 20221031; WO 2015079038 A2 20150604; WO 2015079038 A3 20150723

DOCDB simple family (application)

FR 1302759 A 20131128; EP 14805281 A 20141128; EP 2014075996 W 20141128; ES 14805281 T 20141128