

Title (en)
OMNIDIRECTIONAL WIDEBAND ANTENNA STRUCTURE

Title (de)
OMNIDIREKTIONALE BREITBANDANTENNENSTRUKTUR

Title (fr)
STRUCTURE ANTENNAIRE OMNIDIRECTIONNELLE LARGE BANDE

Publication
EP 3266064 A1 20180110 (FR)

Application
EP 16709999 A 20160222

Priority

- FR 1551878 A 20150305
- FR 2016050403 W 20160222

Abstract (en)
[origin: WO2016139403A1] The invention relates to a wide frequency band antenna structure (10), having polarisation in a favoured direction, termed vertical, suitable for transmission and/or reception of signals of wavelengths between a minimum wavelength and a maximum wavelength. The antenna structure comprises a ground plane (1), extending in a plane perpendicular to said vertical direction, termed the horizontal plane, and a radiating structure comprising a first metallic strip (21) and a second metallic strip (22), arranged vertically and substantially parallel to one another, the second metallic strip (22) being connected to the ground plane (1) and substantially perpendicular to the ground plane (1), and a radiating loop, comprising a plurality of radiating strips, a first end of the loop being connected to the first metallic strip (21) and a second end of the loop being connected to the second metallic strip (22).

IPC 8 full level
H01Q 1/32 (2006.01); **H01Q 7/00** (2006.01); **H01Q 9/04** (2006.01); **H01Q 9/40** (2006.01); **H01Q 9/42** (2006.01)

CPC (source: EP)
H01Q 1/3275 (2013.01); **H01Q 7/00** (2013.01); **H01Q 9/0414** (2013.01); **H01Q 9/0421** (2013.01); **H01Q 9/40** (2013.01); **H01Q 9/42** (2013.01)

Citation (search report)
See references of WO 2016139403A1

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

Designated extension state (EPC)
BA ME

DOCDB simple family (publication)
WO 2016139403 A1 20160909; EP 3266064 A1 20180110; EP 3266064 B1 20201021; FR 3033449 A1 20160909; FR 3033449 B1 20180413

DOCDB simple family (application)
FR 2016050403 W 20160222; EP 16709999 A 20160222; FR 1551878 A 20150305