

Title (en)
WIRE-PLATE ANTENNA HAVING A CAPACITIVE ROOF INCORPORATING A SLOT BETWEEN THE FEED PROBE AND THE SHORT-CIRCUIT WIRE

Title (de)
DRAHTPLATTENANTENNE MIT EINEM KAPAZITIVEN DACH MIT EINEM SCHLITZ ZWISCHEN DER SPEISUNGSSONDE UND DEM KURZSCHLUSSDRAHT

Title (fr)
ANTENNE FIL-PLAQUE AYANT UN TOIT CAPACITIF INCORPORANT UNE FENTE ENTRE LA SONDE D'ALIMENTATION ET LE FIL DE COURT-CIRCUIT

Publication
EP 3235058 B1 20200527 (FR)

Application
EP 15816167 A 20151218

Priority
• FR 1463018 A 20141219
• EP 2015080631 W 20151218

Abstract (en)
[origin: WO2016097362A1] A wire-plate antenna (10) comprises a ground plane (11), at least one capacitive roof (12), a feed probe (13) connected to the capacitive roof (12) and intended to be linked to a generator, and at least one electrically conductive short-circuit wire (14) linking the capacitive roof (12) and the ground plane (11). The capacitive roof (12) comprises at least one slot (15) consisting of an opening passing through the entire thickness of the capacitive roof (12) so as to open on each of the two opposing faces of the capacitive roof (12) and configured such that the connection point (M1) between the capacitive roof (12) and the feed probe (13) and the connection point (M2) between the capacitive roof (12) and the electrically conductive short-circuit wire (14) are disposed to either side of the slot (15).

IPC 8 full level
H01Q 9/04 (2006.01); **H01Q 9/36** (2006.01); **H01Q 13/10** (2006.01)

CPC (source: EP US)
H01Q 9/0421 (2013.01 - EP US); **H01Q 9/36** (2013.01 - EP US); **H01Q 13/103** (2013.01 - EP US); **H01Q 13/106** (2013.01 - US)

Cited by
EP4203189A1; FR3131463A1

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)
WO 2016097362 A1 20160623; EP 3235058 A1 20171025; EP 3235058 B1 20200527; FR 3030909 A1 20160624; FR 3030909 B1 20180202; US 10547115 B2 20200128; US 2017352962 A1 20171207

DOCDB simple family (application)
EP 2015080631 W 20151218; EP 15816167 A 20151218; FR 1463018 A 20141219; US 201515536265 A 20151218