

Title (en)
FLAT ANTENNA FOR SATELLITE COMMUNICATION

Title (de)
FLACHANTENNE ZUR SATELLITENKOMMUNIKATION

Title (fr)
ANTENNE PLATE DE TELECOMMUNICATION PAR SATELLITE

Publication
EP 3155690 B1 20180829 (FR)

Application
EP 15729390 A 20150608

Priority
• FR 1455393 A 20140613
• EP 2015062683 W 20150608

Abstract (en)
[origin: WO2015189136A1] The present invention relates to a flat antenna (10) for satellite communication comprising a radiating plate (16) comprising at least one radiating line (17), and an adaptation means (11) suitable for modifying the delay of the fields transmitted or received by the at least one radiating line, said adaptation means (11) comprising a horn (12) mobile in rotation between the two metal plates (13a, 13b), and a multilayer power supply circuit (14) of which a first layer (13a) is formed by the at least one metal plate containing an array of slot sensors and a last layer is provided with at least one coupling slot connected to the at least one radiating line (17), the first layer and the last layer being linked by at least one transmission line, the length of the at least one transmission line being suitable for introducing a delay required for focusing the wave radiated by the radiating line.

IPC 8 full level
H01Q 1/28 (2006.01); **H01Q 3/12** (2006.01); **H01Q 9/40** (2006.01); **H01Q 21/00** (2006.01); **H01Q 21/06** (2006.01)

CPC (source: EP US)
H01P 5/028 (2013.01 - EP US); **H01Q 1/286** (2013.01 - EP US); **H01Q 1/288** (2013.01 - US); **H01Q 3/12** (2013.01 - EP US); **H01Q 9/0407** (2013.01 - US); **H01Q 9/40** (2013.01 - EP US); **H01Q 15/14** (2013.01 - US); **H01Q 21/0031** (2013.01 - EP US); **H01Q 21/0075** (2013.01 - EP US); **H01Q 21/061** (2013.01 - EP US)

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 2015189136 A1 20151217; EP 3155690 A1 20170419; EP 3155690 B1 20180829; ES 2690578 T3 20181121; FR 3022405 A1 20151218; FR 3022405 B1 20171124; US 10038244 B2 20180731; US 2017187115 A1 20170629

DOCDB simple family (application)
EP 2015062683 W 20150608; EP 15729390 A 20150608; ES 15729390 T 20150608; FR 1455393 A 20140613; US 201515314086 A 20150608