Title (en)

FLAT ANTENNA FOR SATELLITE COMMUNICATION

Title (de)

FLACHANTENNE ZUR SATELLITENKOMMUNIKATION

Title (fr)

ANTENNE PLATE DE TELECOMMUNICATION PAR SATELLITE

Publication

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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)

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Citation (search report)

See references of WO 2015189136A1

Designated contracting state (EPC)

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Designated extension state (EPC)

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DOCDB simple family (publication)

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