

Title (en)

Feeding device for a plate antenna with two crossed polarizations and array equipped with such a device

Title (de)

Vorrichtung zur Speisung für eine Plattenantenne mit zwei gekreuzten Polarisationen und Gruppenantenne mit einer solchen Vorrichtung

Title (fr)

Dispositif d'alimentation pour antenne plaque à double polarisation croisée, et réseau équipé d'un tel dispositif

Publication

**EP 0557176 B1 19961009 (FR)**

Application

**EP 93400375 A 19930216**

Priority

FR 9202001 A 19920221

Abstract (en)

[origin: EP0557176A1] The invention relates to a feed device intended for an array of plate antennas with dual crossed polarisation and to an array employing such a device. The plate antennas (S) are fed via two completely separate lines. A first transmission line, of the three-plate type, consists of a track (T) and two earth planes (M, CP). A second line, of the microstrip type, comprises a track (R) and an earth plane (M). The unit is produced by metallising three printed circuits (CI1 to CI3); there are several variant embodiments. Application to the feeding of satellite receiving antennas having dual crossed polarisation. <IMAGE>

IPC 1-7

**H01Q 9/04; H01Q 21/00**

IPC 8 full level

**H01Q 9/04** (2006.01); **H01Q 21/00** (2006.01); **H01Q 21/24** (2006.01)

CPC (source: EP)

**H01Q 9/0457** (2013.01); **H01Q 21/0075** (2013.01); **H01Q 21/24** (2013.01)

Cited by

ES2122937A1; EP0685900A1; US5691734A

Designated contracting state (EPC)

AT BE CH DE DK ES FR GB GR IT LI LU NL SE

DOCDB simple family (publication)

**EP 0557176 A1 19930825; EP 0557176 B1 19961009**; AT E144080 T1 19961015; DE 69305196 D1 19961114; DE 69305196 T2 19970306; FR 2687850 A1 19930827; FR 2687850 B1 19940415

DOCDB simple family (application)

**EP 93400375 A 19930216**; AT 93400375 T 19930216; DE 69305196 T 19930216; FR 9202001 A 19920221