

Title (en)

ACTIVE DUAL-POLARIZATION MICROWAVE REFLECTOR, IN PARTICULAR FOR ELECTRONICALLY SCANNING ANTENNA

Title (de)

DOPPELPOLARISIERTER AKTIVER MIKROWELLENREFLEKTOR, INSBESONDERE FÜR ANTENNE MIT ELEKTRONISCHER STRAHLSCWENKUNG

Title (fr)

REFLECTEUR HYPERFREQUENCE ACTIF A BIPOLARISATION, NOTAMMENT POUR ANTENNE A BALAYAGE ELECTRONIQUE

Publication

**EP 1305846 B1 20070919 (FR)**

Application

**EP 01958154 A 20010720**

Priority

- FR 0102383 W 20010720
- FR 0009975 A 20000728

Abstract (en)

[origin: WO0211238A1] The invention concerns an active dual-polarization electronically scanning microwave reflector, adapted to be illuminated by a microwave source to form an antenna. The reflector comprises two interleaved waveguide arrays (21, 22), the base of each guide being closed by a phase-shifting circuit producing reflection and phase shift of the wave it receives, one array being designed to receive a polarization and the other array being designed to receive a polarization perpendicular to the former.

IPC 8 full level

**H01Q 3/46** (2006.01); **H01Q 15/22** (2006.01); **H01Q 1/52** (2006.01); **H01Q 19/10** (2006.01)

CPC (source: EP US)

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DOCDB simple family (publication)

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