

Title (en)
Secondary reflector of a parabolic antenna

Title (de)
Subreflektor einer Parabolantenne

Title (fr)
Réflecteur secondaire d'antenne parabolique

Publication
EP 2264833 A3 20110119 (FR)

Application
EP 10164963 A 20100604

Priority
FR 0953693 A 20090604

Abstract (en)
[origin: EP2264833A2] The reflector (2) has a primary end (3) including a junction having radius (aw) adapted for coupling to an end of a waveguide (4), and a secondary end (5) having radius (Po) larger than radius of the primary end. A dielectric body is provided extending between the ends, and is limited by an inner surface and an outer surface. An outer face (1) of the reflector has a profile defined by a specific equation containing specific coordinates. The outer face of the reflector includes a relief in a form of a ring surrounding the dielectric body.

IPC 8 full level
H01Q 19/19 (2006.01)

CPC (source: EP)
H01Q 19/193 (2013.01)

Citation (search report)
• [I] US 6724349 B1 20040420 - BAIRD JOSEPH MARK [US], et al
• [I] JP 2009017346 A 20090122 - JAPAN RADIO CO LTD
• [A] MALIK D P S ET AL: "Splash Plate Feed Design", EUROPEAN MICROWAVE CONFERENCE, 1975. 5TH, IEEE, PISCATAWAY, NJ, USA, 1 October 1975 (1975-10-01), pages 41 - 45, XP031060185

Cited by
CN104319489A

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 SE SI SK SM TR

Designated extension state (EPC)
BA ME RS

DOCDB simple family (publication)
EP 2264833 A2 20101222; EP 2264833 A3 20110119; EP 2264833 B1 20170419; FR 2946465 A1 20101210; FR 2946465 B1 20120224

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