

Title (en)

Dish-type isoflux antenna

Title (de)

Parabolförmige Antenne mit Isoflux-Strahlungsdiagramm

Title (fr)

Antenne du type parabolique avec un diagramme de rayonnement isoflux

Publication

**EP 0978899 A1 20000209 (EN)**

Application

**EP 98500187 A 19980806**

Priority

EP 98500187 A 19980806

Abstract (en)

Antenna with weight and dimensions below that of other antenna employed for low orbit artificial satellites, characterized by an asymmetrical double conical structure (8 and 9); radiating between its two conical plates (8 and 9) by means of grooves made in a resonating cavity (3), the antenna additionally presenting a corrugated horn (13) which completes an isoflux radiation diagram. <IMAGE>

IPC 1-7

**H01Q 13/04**; **H01Q 21/29**

IPC 8 full level

**H01Q 13/04** (2006.01); **H01Q 21/29** (2006.01)

CPC (source: EP)

**H01Q 13/04** (2013.01); **H01Q 21/29** (2013.01)

Citation (search report)

- [YA] US 3568203 A 19710302 - VENTERS DONALD C, et al
- [Y] EP 0456034 A2 19911113 - HUGHES AIRCRAFT CO [US]
- [A] US 4143377 A 19790306 - SALVAT FRANCOIS, et al
- [Y] MONSER ET AL.: "Omnidirectional K-Band Antenna Uses Slots, Probes and Horns", ELECTRONICS, vol. 34, 18 August 1961 (1961-08-18), NEW YORK US, pages 54 - 55, XP002090154
- [A] ROTH H ET AL: "FUNDAMENTAL DESIGN ASPECTS FOR THE DEVELOPMENT OF A HIGHLY SHAPED ANTENNA AND BREADBOARD MEASUREMENTS", EUROPEAN CONFERENCE ON SATELLITE COMMUNICATIONS, MANCHESTER, NOV. 2 - 4, 1993, no. CONF. 3, 2 November 1993 (1993-11-02), INSTITUTION OF ELECTRICAL ENGINEERS, pages 399 - 403, XP000458044

Cited by

FR2947389A1; FR2947391A1; WO2014049400A1; WO2011000702A1; WO2011000703A1

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