

Title (en)

Multi-beam antenna

Title (de)

Mehrstrahlantenne

Title (fr)

Antenne multi-faisceau

Publication

**EP 1764868 A1 20070321 (EN)**

Application

**EP 06024287 A 20001120**

Priority

- EP 00980567 A 20001120
- US 16623199 P 19991118

Abstract (en)

A multi-beam antenna, comprising at least one curved surface; at least one dielectric substrate; and a plurality of antenna feed elements on said dielectric substrate, wherein at least two of said plurality of antenna feed elements each comprise an end-fire antenna element adapted to launch electromagnetic waves in a direction substantially towards said at least one curved surface, and said direction for at least one said end-fire antenna element is different from said direction for at least another said end-fire antenna element.

IPC 8 full level

**H01Q 25/00** (2006.01); **H01Q 3/24** (2006.01); **H01Q 13/08** (2006.01); **H01Q 15/04** (2006.01); **H01Q 15/23** (2006.01); **H01Q 19/06** (2006.01)

CPC (source: EP)

**H01Q 3/245** (2013.01); **H01Q 15/04** (2013.01); **H01Q 19/062** (2013.01); **H01Q 25/008** (2013.01)

Citation (search report)

- [X] EP 0427470 B1 19960925 - RAYTHEON CO [US]
- [Y] WO 9213373 A1 19920806 - THOMSON CONSUMER ELECTRONICS [FR]
- [Y] US 5583511 A 19961210 - HULDERMAN GARRY N [US]

Cited by

EP3437157A4; US10959110B2

Designated contracting state (EPC)

DE FR GB SE

DOCDB simple family (publication)

**EP 1764868 A1 20070321**

DOCDB simple family (application)

**EP 06024287 A 20001120**