

Title (en)

Multibeam antenna.

Title (de)

Mehrstrahlantenne.

Title (fr)

Antenne à faisceaux multiples.

Publication

EP 0275062 A2 19880720 (EN)

Application

EP 88100249 A 19880111

Priority

- JP 453587 A 19870112
- JP 975387 A 19870119

Abstract (en)

A multibeam antenna capable of communicating with a plurality of satellites on stationary orbits at the same time includes a single main reflector (22), and a plurality of primary radiators (24, 26) for radiating electromagnetic waves toward the main reflector. The main reflector is constituted by the same number of partial reflectors (22A, 22B) as the primary radiators, the partial reflectors being joined to each other. Each of the partial reflectors is defined by a part of a different one of paraboloids which are different in the position of focus from each other. The primary reflectors are located at the positions of individual focuses (Fa, Fb). A subreflector is disposed between the main reflector and the positions of focuses and made up of a plurality of curved portions and a single flat portion.

IPC 1-7

H01Q 19/19; **H01Q 25/00**

IPC 8 full level

H01Q 19/19 (2006.01); **H01Q 25/00** (2006.01)

CPC (source: EP)

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Cited by

FR2674377A1; US5258767A; GB2227609A; EP0845834A3; FR2684809A1; FR2677815A1; US6258895B1; FR2642569A1; EP0670609A1; RU2694813C1; WO2024044956A1

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EP 0275062 A2 19880720; **EP 0275062 A3 19891011**; **EP 0275062 B1 19931103**; AU 1016988 A 19880714; AU 605227 B2 19910110; CA 1296422 C 19920225; DE 3885308 D1 19931209

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