

Title (en)

Electronically scanned antenna.

Title (de)

Antenne mit elektronischer Strahlschwenkung.

Title (fr)

Antenne à balayage électronique.

Publication

EP 0340429 A1 19891108 (FR)

Application

EP 89104559 A 19890315

Priority

FR 8803544 A 19880318

Abstract (en)

Electronically scanned antenna comprising an array of elementary sources (S1-Sn), an energy-focusing reflector, and power and control electronics; the array being situated in the focal zone of the reflector, the power and control electronics comprising several attenuating and phase-shifting circuits (24) controlled by a control unit (27), these circuits being connected at output to at least one combiner (28). <??>Application in particular to the field of space telecommunications. <IMAGE>

IPC 1-7

H01Q 3/26

IPC 8 full level

H01Q 19/17 (2006.01); **H01Q 3/24** (2006.01); **H01Q 3/26** (2006.01); **H01Q 21/00** (2006.01); **H01Q 25/00** (2006.01)

CPC (source: EP US)

H01Q 3/2658 (2013.01 - EP US); **H01Q 21/0025** (2013.01 - EP US); **H01Q 25/007** (2013.01 - EP US)

Citation (search report)

- [Y] US 4090199 A 19780516 - ARCHER DONALD H
- [Y] US 3737899 A 19730605 - GEORGOPOULOS C
- [A] US 4217587 A 19800812 - JACOMINI OMAR J [US]
- [A] DE 3336196 A1 19840412 - INT STANDARD ELECTRIC CORP [US]
- [A] DE 2919628 A1 19791122 - WESTERN ELECTRIC CO
- [A] US 4277787 A 19810707 - KING ROBERT D
- [A] PATENT ABSTRACTS OF JAPAN

Cited by

EP2194602A1; EP0368121A1; EP0422551A1; FR2652952A1; EP0723308A1; FR2729505A1; EP0417679A1; FR2651927A1; FR2939568A1; US8299963B2

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