

Title (en)

COMMUNICATION ANTENNA WITH A REFLECTOR

Publication

**EP 0274693 B1 19920729 (FR)**

Application

**EP 87118617 A 19871215**

Priority

FR 8617758 A 19861218

Abstract (en)

[origin: US4825218A] A telecommunications antenna is provided with a reflector having a semi-offset geometry, a feed mounted on a feed source rigidly fixed to the reflector, an antenna pedestal for supporting the reflector and the feed. Positioning of the feed is such that, in respect of a reflector illumination half-angle  $\beta$  as seen from the feed such that  $45^\circ < \beta < 55^\circ$ , the offset angle  $\alpha$  (angle between the focal axis DELTA Foc and the median ray of the total beam which is emitted by the feed and illuminates the reflector) is  $25^\circ < \alpha < 35^\circ$ , the antenna mount being of the azimuth-elevation type known as an az-el mount.

IPC 1-7

**H01Q 1/12**; **H01Q 3/08**; **H01Q 19/13**

IPC 8 full level

**H01Q 1/12** (2006.01); **H01Q 3/08** (2006.01); **H01Q 19/13** (2006.01)

CPC (source: EP US)

**H01Q 1/125** (2013.01 - EP US); **H01Q 19/132** (2013.01 - EP US)

Cited by

FR2761817A1

Designated contracting state (EPC)

DE FR GB IT NL SE

DOCDB simple family (publication)

**EP 0274693 A1 19880720**; **EP 0274693 B1 19920729**; DE 3780794 D1 19920903; DE 3780794 T2 19930211; FR 2608846 A1 19880624; FR 2608846 B1 19890324; JP S63172503 A 19880716; US 4825218 A 19890425

DOCDB simple family (application)

**EP 87118617 A 19871215**; DE 3780794 T 19871215; FR 8617758 A 19861218; JP 32111887 A 19871218; US 3582387 A 19870408