

Title (en)

Space telecommunications integrated antenna system for mobile terrestrial stations (SATCOMS)

Title (de)

Integriertes Antennensystem der Raumtelekommunikation für mobile terrestrische Stationen

Title (fr)

Système antenne intégré de télécommunications spatiales pour les stations terrestres mobiles (SATCOMS)

Publication

EP 1641071 A1 20060329 (FR)

Application

EP 05108836 A 20050926

Priority

FR 0410268 A 20040928

Abstract (en)

The system has a flat and circular antenna (10) whose mechanical axis (12) is inclined at an angle θ with respect to a bearing rotational axis (11) of an antenna support. Antenna beam (13) makes an angle ψ with respect to the axis (12). Rotation of the antenna on the axis (12) covers the beam on a tip cone of 90 degrees. Rotation of the antenna on the axis (11) permits to orient the beam in all bearing directions. An independent claim is also included for a method of transmitting antenna beams in a telecommunication system.

IPC 8 full level

H01Q 3/08 (2006.01); **H01Q 1/28** (2006.01)

CPC (source: EP US)

H01Q 1/28 (2013.01 - EP US); **H01Q 3/08** (2013.01 - EP US)

Citation (search report)

- [A] EP 0867969 A2 19980930 - TOYODA CHUO KENKYUSHO KK [JP]
- [A] PATENT ABSTRACTS OF JAPAN vol. 1996, no. 10 31 October 1996 (1996-10-31)

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC NL PL PT RO SE SI SK TR

DOCDB simple family (publication)

EP 1641071 A1 20060329; **EP 1641071 B1 20130313**; ES 2413010 T3 20130715; FR 2875952 A1 20060331; FR 2875952 B1 20081128; US 2006071867 A1 20060406; US 7352331 B2 20080401

DOCDB simple family (application)

EP 05108836 A 20050926; ES 05108836 T 20050926; FR 0410268 A 20040928; US 23553005 A 20050927