

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 B1 20130313 (FR)

Application

EP 05108836 A 20050926

Priority

FR 0410268 A 20040928

Abstract (en)

[origin: EP1641071A1] The system has a flat and circular antenna (10) whose mechanical axis (12) is inclined at an angle theta with respect to a bearing rotational axis (11) of an antenna support. Antenna beam (13) makes an angle psi 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 1/28 (2006.01); **H01Q 3/08** (2006.01)

CPC (source: EP US)

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

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DOCDB simple family (publication)

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