

Title (en)

Antenna assembly

Title (de)

Antennenanordnung

Title (fr)

Agencement d'antenne

Publication

EP 0657956 B1 19991020 (EN)

Application

EP 94118241 A 19941119

Priority

AU PM277293 A 19931206

Abstract (en)

[origin: EP0657956A1] A mast-type antenna assembly for earth mobile stations which communicate via a geostationary satellite. The antenna assembly incorporates an arrangement which permits selective adjustment of the elevation angle of the antenna's radiation lobe for optimum gain from any geographic location. According to the invention, the assembly comprises a bifilar helix (5,6) arranged within a radome (12) whose end co-operates with screw tracks (17,18) in a tubular base member (13) such that by twisting the radome the helix is deformed and the pitch (p) of the helix is changed, thereby changing the elevation angle (ϕ) of the radiation lobe radiating from the antenna. <IMAGE>

IPC 1-7

H01Q 11/08; **H01Q 1/36**

IPC 8 full level

H01Q 1/36 (2006.01); **H01Q 11/08** (2006.01)

CPC (source: EP)

H01Q 1/362 (2013.01); **H01Q 11/08** (2013.01)

Cited by

US6072439A; US5708448A; CN112563763A; US6034649A; US6317099B1; US6285336B1; WO9700542A1; WO9607215A1; WO9704496A1

Designated contracting state (EPC)

DE ES FR GB IT

DOCDB simple family (publication)

EP 0657956 A1 19950614; **EP 0657956 B1 19991020**; AU PM277293 A0 19940106; CN 1064480 C 20010411; CN 1110011 A 19951011; DE 69421247 D1 19991125; DE 69421247 T2 20000224; ES 2137302 T3 19991216

DOCDB simple family (application)

EP 94118241 A 19941119; AU PM277293 A 19931206; CN 94113000 A 19941206; DE 69421247 T 19941119; ES 94118241 T 19941119