

Title (en)

Antenna assembly.

Title (de)

Antennenanordnung.

Title (fr)

Agencement d'antenne.

Publication

**EP 0657956 A1 19950614 (EN)**

Application

**EP 94118241 A 19941119**

Priority

AU PM277293 A 19931206

Abstract (en)

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 (  $\phi$  ) 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)

Citation (search report)

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