

Title (en)

Support and pointing arrangement for antennae or telescopes.

Title (de)

Anordnung zum Stützen und Ausrichten von Antennen oder Teleskopen.

Title (fr)

Dispositif de pointage et support pour antennes ou télescopes.

Publication

EP 0515888 B1 19950809 (DE)

Application

EP 92107916 A 19920512

Priority

DE 4117538 A 19910529

Abstract (en)

[origin: EP0515888A1] It is intended to specify an arrangement for supporting and aligning antennas or telescopes which is especially suitable for satellites. An arrangement in the form of a hexapod is proposed, which is used both for supporting and aligning the telescope and as an extension unit in order to increase the distance between the telescope and the satellite platform. The framework is composed of six legs (6) whose length can be controlled and which are equipped with ball joints at the ends. The legs connect the satellite platform (2) to a rigid supporting plate (10) which supports the telescope (1). At one end, the legs are in each case attached in pairs to the corners of a triangle, and at the other end, they are either likewise attached in pairs to the corners of a triangle or are individually attached to the corners of a hexagon. Piezoelectric linear motors are used for length control of the legs. Internal reinforcement for the launching procedure of the carrier rockets is provided by bracing the outer tube (9) with respect to a stop disc (14) which is located on the inner tube. <IMAGE>

IPC 1-7

H01Q 1/12

IPC 8 full level

H01Q 1/12 (2006.01); **H01Q 1/28** (2006.01)

CPC (source: EP)

H01Q 1/125 (2013.01); **H01Q 1/288** (2013.01)

Cited by

FR2825445A1; CN1079042C; US6025815A; CN102211748A; KR100880290B1; US7982951B1; WO9712806A1; WO02097920A1

Designated contracting state (EPC)

DE ES FR GB IT

DOCDB simple family (publication)

DE 4117538 C1 19920709; DE 59203178 D1 19950914; EP 0515888 A1 19921202; EP 0515888 B1 19950809; ES 2077288 T3 19951116

DOCDB simple family (application)

DE 4117538 A 19910529; DE 59203178 T 19920512; EP 92107916 A 19920512; ES 92107916 T 19920512