

Title (en)
Tower for radio broadcasting device

Title (de)
Mast für Funkvorrichtung

Title (fr)
Pylone pour dispositif de diffusion hertzienne

Publication
EP 1403961 B1 20051130 (FR)

Application
EP 03292470 A 20010307

Priority
• EP 01913957 A 20010307
• FR 0103051 A 20010306
• MA 25078 A 20000307

Abstract (en)
[origin: FR2807214A1] The pylon includes an HF amplifier mounted in the top section, and a parallelogram linkage to maintain angular position. The radio transmitting mast comprises a pylon supporting at least one aerial, with equipment including an HF amplifier mounted in the upper part of the pylon. This equipment is mounted in a profiled box which is solidly attached to the pylon, and provided with power by photoelectric cells mounted on the upper part. The upper part of the pylon includes a rotary inertial mass, giving gyroscopic stabilization to the top of the pylon. At least a part of the upper pylon structure includes a deformable parallelepiped linkage, arranged so that the spars on which the aerials are mounted remain parallel to the ground, even when the overall structure of the pylon flexes. The parallelepiped linkage may be sustained by at least two tensioned cables.

IPC 1-7
H01Q 1/00; **H01Q 1/12**; **E04H 12/20**

IPC 8 full level
H01Q 1/00 (2006.01); **H01Q 1/12** (2006.01); **H01Q 1/24** (2006.01)

CPC (source: EP)
H01Q 1/005 (2013.01); **H01Q 1/1242** (2013.01); **H01Q 1/246** (2013.01)

Designated contracting state (EPC)
AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE TR

DOCDB simple family (publication)
FR 2807214 A1 20011005; **FR 2807214 B1 20100430**; EP 1403961 A2 20040331; EP 1403961 A3 20040602; EP 1403961 B1 20051130

DOCDB simple family (application)
FR 0103051 A 20010306; EP 03292470 A 20010307