

Title (en)

ANTENNA MAST AND DEVICE FOR ADJUSTING AN ANTENNA ORIENTATION

Title (de)

ANTENNENMAST UND VORRICHTUNG ZUR ANTENNENAUSRICHTUNG

Title (fr)

MAT D'ANTENNE ET DISPOSITIF POUR LE REGLAGE DE L'ORIENTATION D'UNE TELLE ANTENNE

Publication

**EP 1330851 A1 20030730 (FR)**

Application

**EP 01976421 A 20011012**

Priority

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- FR 0013217 A 20001016

Abstract (en)

[origin: FR2815477A1] Device to support at least two panel antennas which constitute network of relay antennas in cellular telecommunications. There is a mast (1) and devices to ensure the fixation of the antennas onto the mast. These devices allow for the tuning of the orientation of the antennas in a tilt and azimuth. The fixating devices comprise means defining a pivoting axe (31) offset in relation to the axe of the mast in such a way that the pivoting of the antenna around the axe allows for the modification of an azimuth orientation of the mast. There is a support which is carried by a clamping on the fixating element and which holds at least one pair tabs (21), which stretch one under the other in perpendicular way to the axe of the mast and define supports for a pivoting axe away from the center of the antenna. There are several pairs of these tabs. The fixating devices comprise channels, which are fixed to them and on which the antenna is articulated in a pivoting way around a horizontal axe. There are brackets (8) parallel to the tilting of the antenna and channel, which allow for the tuning of the axes of the mast. There are intermediary elements (13), which present at least a light (12) in which the axe could slide. The fixating devices also comprise cover band channels (33) and magnets.

IPC 1-7

**H01Q 1/12**; **H01Q 1/24**

IPC 8 full level

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