

Title (en)

Compact active antenna for weather satellite.

Title (de)

Kompakte aktive Antenne für Wettersatelliten.

Title (fr)

Antenne active de faible encombrement pour satellite météorologique.

Publication

**EP 0519855 A1 19921223 (FR)**

Application

**EP 92480083 A 19920616**

Priority

FR 9107503 A 19910617

Abstract (en)

The subject of the invention is a meteorological antenna. It includes one or more correctly-phased directional antennas (2, 3) of the QUAGI type with a mechanical gain of more than 15 dBd, the said antennas (2, 3) are equipped with a directional device and are activated and amplified by means of a low-noise preamplifier (4) arranged at the entrance to the plastic protection (1) so as to be able to place the receiver any distance from the meteorological antenna. The directional antennas (8, 9, 10, 11) are actuated by three servomotors (12, 13, 14), two servomotors (12, 13) control the antenna as a function of the geographical position of the boat and the third servomotor (14) is slaved to an electronic compass, and the meteorological antenna assembly is provided with a self-stabilising device. Antenna for weather satellite for mobile or maritime installation. <IMAGE>

IPC 1-7

**H01Q 1/18**; **H01Q 1/42**; **H01Q 19/30**

IPC 8 full level

**H01Q 1/18** (2006.01); **H01Q 1/42** (2006.01); **H01Q 19/30** (2006.01)

CPC (source: EP)

**H01Q 1/18** (2013.01); **H01Q 1/42** (2013.01); **H01Q 19/30** (2013.01)

Citation (search report)

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Designated contracting state (EPC)

AT BE CH DE DK ES FR GB GR IT LI LU MC NL PT SE

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