

Title (en)
PLATE ANTENNA WITH TWO CROSSED POLARIZATIONS

Publication
EP 0243289 B1 19910619 (FR)

Application
EP 87460007 A 19870409

Priority
FR 8605990 A 19860423

Abstract (en)
[origin: JPH01125005A] PURPOSE: To make it possible to receive a radio signal having right-handed or left-handed circularly polarized wave and transmitted from a satellite by crossing strands supplied from two radiation tablets folded on similar thick strands arranged on the same plane in the orthogonal direction on the center of a reference antenna. CONSTITUTION: An assembly of a conductive board 1 or 4 occupies four quadrants sectioned by a non-conductive cross and the branch 5 or 8 of the cross is inclined by 45 deg. from the symmetrical axes X-X', Y-Y' of the board 1 or 4. The conductive part of a radiation part is formed on the original complete plating surface of a both-sided printed circuit 25 and a center metallic conductor 27 consisting of a 1st three-layer board supplying conductor is formed on the other surface 26 of the circuit 25. A center metallic conductor 30 consisting of a 2nd three-layer board supplying conductor is formed on the surface 29 of another both-sided printed circuit 28 and a plating reflection board 31 is formed on the other surface. The two printed circuits 25, 28 are superposed so that respective faces 26, 29 are opposed to each other and sepalparated by the thin layer 32 to be a dielectric base.

IPC 1-7
H01Q 9/26; **H01Q 19/06**; **H01Q 21/00**; **H01Q 21/24**

IPC 8 full level
H01Q 9/06 (2006.01); **H01Q 21/00** (2006.01); **H01Q 21/24** (2006.01); **H01Q 21/26** (2006.01)

CPC (source: EP US)
H01Q 9/065 (2013.01 - EP US); **H01Q 21/0075** (2013.01 - EP US); **H01Q 21/24** (2013.01 - EP US)

Cited by
EP0414266A1; CN106207495A; EP0557176A1; FR2687850A1; FR2677814A1; US5187490A; FR2963168A1; EP0585877A1; US5442367A; EP0685900A1; US5691734A; ES2103630A1; EP0920074A1; FR2685130A1; GB2201046B; US6339406B1; WO2012013644A1

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