

Title (en)

Helix-type antenna and its manufacturing process.

Title (de)

Wendeltyp-Antenne und Verfahren zu ihrer Herstellung.

Title (fr)

Antenne de type hélice et son procédé de réalisation.

Publication

EP 0320404 A1 19890614 (FR)

Application

EP 88403145 A 19881209

Priority

FR 8717218 A 19871210

Abstract (en)

The antenna comprises at least one radiating wire (11, 12, 13, 14) wound into a helix following a body of revolution (1). The antenna comprises a supply circuit (2) for the radiating wire(s) which consists of a transmission line of the strip line type (20), which ensures both the function of distribution of supply and of matching of the radiating wires of the antenna. <?>Application to the construction of circularly polarised radiating antennas for satellite telecommunications, radiolocation. <IMAGE>

Abstract (fr)

L'invention concerne une antenne de type hélice. L'antenne comporte au moins un brin rayonnant (11,12,13,14) enroulé en hélice selon une forme de révolution (1). L'antenne comporte un circuit d'alimentation (2) du ou des brins rayonnants constitué par une ligne de transmission du type ligne à ruban (20), laquelle assure à la fois la fonction de répartition d'alimentation et d'adaptation des brins rayonnants de l'antenne. Application à la fabrication d'antennes de rayonnement de polarisation circulaire pour la télécommunication par satellite, la radiolocalisation.

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H01Q 1/38; H01Q 11/08

IPC 8 full level

H01Q 1/38 (2006.01); **H01Q 11/08** (2006.01)

CPC (source: EP US)

H01Q 1/38 (2013.01 - EP US); **H01Q 11/08** (2013.01 - EP US)

Citation (search report)

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