

Title (en)

Low frequency band helical antenna having an open stub

Title (de)

Mit einer Stichleitung versehene Wendelantenne für niedrige Frequenzen

Title (fr)

Antenne hélicoidale à charge de souche pour basse fréquence

Publication

**EP 1895619 A1 20080305 (EN)**

Application

**EP 06127215 A 20061227**

Priority

KR 20060082505 A 20060829

Abstract (en)

A low frequency band helical antenna comprising an open stub is provided, which includes a helix formed on at least a part; and a radiator comprising the open stub formed on one end in parallel relation with a ground. As a result, a compact helical antenna, which is sized to a quarter length of a monopole antenna, can be provided. Additionally, efficiency of the antenna is improved and the frequency bandwidth can be increased, by increasing the input resistance and decreasing the input reactance.

IPC 8 full level

**H01Q 1/36** (2006.01); **H01Q 11/08** (2006.01)

CPC (source: EP KR)

**H01Q 1/24** (2013.01 - KR); **H01Q 1/362** (2013.01 - EP KR); **H01Q 9/32** (2013.01 - KR); **H01Q 11/08** (2013.01 - EP)

Citation (applicant)

- ROSSMAN C ET AL.: "Low Profile, Single Feed, Tri-Filar, Linear- or Circularly-Polarized Helix Antenna", IEEE ANTENNAS AND PROPAGATION SOCIETY INTERNATIONAL SYMPOSIUM. 2003 DIGEST. APS, 22 June 2003 (2003-06-22)
- IEEE, vol. 4, 22 June 2003 (2003-06-22), pages 862 - 865

Citation (search report)

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Designated contracting state (EPC)

GB

Designated extension state (EPC)

AL BA HR MK YU

DOCDB simple family (publication)

**EP 1895619 A1 20080305**; JP 2008061243 A 20080313; JP 4711089 B2 20110629; KR 100822470 B1 20080416; KR 20080019942 A 20080305

DOCDB simple family (application)

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