

Title (en)

Earth antenna with loop radiating kilometric or hectometric waves

Title (de)

Bodenantenne mit Schleife zur Abstrahlung kilometrischer oder hektometrischer Wellen

Title (fr)

Antenne de sol à boucle rayonnant en ondes kilométriques ou hectométriques

Publication

EP 1594186 B1 20101117 (FR)

Application

EP 05300192 A 20050317

Priority

FR 0404860 A 20040504

Abstract (en)

[origin: EP1594186A1] The antenna has an earth plane (1) that is horizontally buried near and under the surface of the ground (S). An excitation loop (2) horizontally extends above the surface of the ground at a height (H) greater than 2 meter with respect to the plane. A metallic connection unit (3) perpendicular to the loop connects an end (21) of the loop to the plane. Each of the loop and connection unit is constituted by a thin cylindrical unit.

IPC 8 full level

H01Q 9/42 (2006.01); **H01Q 1/04** (2006.01); **H01Q 9/04** (2006.01)

CPC (source: EP)

H01Q 1/04 (2013.01); **H01Q 9/0421** (2013.01); **H01Q 9/42** (2013.01)

Cited by

WO2012045847A1; WO2008081125A1; FR2994773A1; FR2910727A1; EP2328233A3; FR2966647A1; RU2707659C2; FR2965978A1; CN103299481A; US2013241790A1; AU2016204050B2; US8552916B2; WO2014029947A1

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DOCDB simple family (publication)

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