Title (en)

DUAL POLARIZED SEMI-CONTINUOUS DIPOLE ANTENNA DEVICE, ANTENNA ARRAY AND ANTENNA ARCHITECTURE

Title (de)

DUALPOLARISIERTE SEMIKONTINUIERLICHE DIPOLANTENNENVORRICHTUNG, ANTENNENANORDNUNG UND ANTENNENARCHITEKTUR

Title (fr)

DISPOSITIF D'ANTENNE DIPÔLE SEMI-CONTINUE À DOUBLE POLARISATION, RÉSEAU D'ANTENNES ET ARCHITECTURE D'ANTENNE

Publication

EP 4208915 A1 20230712 (EN)

Application

EP 20776135 A 20200922

Priority

EP 2020076386 W 20200922

Abstract (en)

[origin: WO2022063387A1] An antenna device includes a reflector having a substantially planar shape; a first set of three or more parallel dipoles, each configured to generate an electromagnetic signal with a first polarization, wherein each dipole of the first set is arranged to extend parallel to the plane of the reflector and at +45 degrees with respect to a longitudinal direction of the reflector; and a second set of three or more parallel dipoles, each configured to generate an electromagnetic signal with a second polarization orthogonal to the first polarization, wherein each dipole of the second set is arranged to extend parallel to the plane of the reflector and at -45 degrees with respect to the longitudinal direction of the reflector.

IPC 8 full level

H01Q 1/24 (2006.01); **H01Q 3/30** (2006.01); **H01Q 5/48** (2015.01); **H01Q 19/10** (2006.01); **H01Q 21/26** (2006.01); **H01Q 25/00** (2006.01)

CPC (source: EP)

H01Q 1/246 (2013.01); **H01Q 3/30** (2013.01); **H01Q 5/48** (2015.01); **H01Q 19/108** (2013.01); **H01Q 21/26** (2013.01); **H01Q 25/001** (2013.01)

Citation (search report)

See references of WO 2022063387A1

Designated contracting state (EPC)

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DOCDB simple family (publication)

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