

Title (en)

FLAT-PLATE SCANNING ANTENNA FOR LAND MOBILE APPLICATION, VEHICLE COMPRISING SUCH AN ANTENNA, AND SATELLITE TELECOMMUNICATION SYSTEM COMPRISING SUCH A VEHICLE

Title (de)

FLACHPLATTEN-ABTASTANTENNE FÜR LANDFAHRZEUGANWENDUNG, FAHRZEUG MIT EINER SOLCHEN ANTENNE UND SATELLITENTELEKOMMUNIKATIONSSYSTEM MIT SOLCH EINEM FAHRZEUG

Title (fr)

ANTENNE PLANE À BALAYAGE POUR APPLICATION MOBILE TERRESTRE, VÉHICULE COMPORTANT UNE TELLE ANTENNE ET SYSTÈME DE TÉLÉCOMMUNICATION PAR SATELLITE COMPORTANT UN TEL VÉHICULE

Publication

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Application

EP 11701218 A 20110117

Priority

- FR 1000473 A 20100205
- EP 2011050513 W 20110117

Abstract (en)

[origin: WO2011095384A1] The flat-plate scanning antenna comprises at least one network (5) of waveguides with radiating slots, comprising two dielectric substrates (Sub1) (Sub2) arranged one above the other. The two substrates (Sub1) (Sub2) comprise the same number of waveguides (10, 11) that correspond to each other and communicate between each other in pairs by means of corresponding coupling slots (13). Each waveguide (10) of the upper substrate (Sub2) also comprises a plurality of radiating slots (20), all of the radiating slots (20) being parallel to each other and oriented in the same direction, and each waveguide (11) of the lower substrate (Sub1) comprises an inner individual feeding circuit (25) comprising an individual electronic circuit for phase-shifting (21) and amplification (22).

IPC 8 full level

H01Q 1/32 (2006.01); **H01Q 3/04** (2006.01); **H01Q 3/26** (2006.01); **H01Q 21/00** (2006.01)

CPC (source: EP US)

H01Q 1/3275 (2013.01 - EP US); **H01Q 3/04** (2013.01 - EP US); **H01Q 3/26** (2013.01 - EP US); **H01Q 21/005** (2013.01 - EP US)

Citation (examination)

- JP 2002033612 A 20020131 - MITSUBISHI ELECTRIC CORP
- US 6873301 B1 20050329 - LOPEZ ALFRED R [US]

Designated contracting state (EPC)

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DOCDB simple family (publication)

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