

Title (en)

Waveguide antenna embedded on a railway vehicle

Title (de)

Hohlleiter-Antenne eingebettet in ein Schienenfahrzeug

Title (fr)

Antenne à guide d'ondes embarquée sur un vehicule ferroviaire

Publication

**EP 1998403 B1 20110504 (FR)**

Application

**EP 08104087 A 20080526**

Priority

FR 0703878 A 20070531

Abstract (en)

[origin: EP1998403A1] The antenna (4) has a fixed direction communication device arranged along channels of desired wavelength microwave signal. A rectangular section waveguide is provided with a large face that is drilled by a set of rectangular slits (5), whose large dimension (D) is lower than half-length of waves of the microwave signal, where spacing (E) between center of successive slits is near to the half-length of waves of the microwave signal propagated in the waveguide.

IPC 8 full level

**H01Q 1/32** (2006.01); **H01Q 13/22** (2006.01)

CPC (source: EP)

**H01Q 1/3225** (2013.01); **H01Q 13/22** (2013.01)

Cited by

CN107546496A; FR2996401A1; FR2965979A1; EP3214699A1; CN113330646A; AT515562A1; AT515562B1; EP3340376A1; US12087992B2; US11897526B2; US10402601B2; US12027744B2; WO2012049408A1; WO2014053758A1; WO2014053759A1

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MT NL NO PL PT RO SE SI SK TR

DOCDB simple family (publication)

**EP 1998403 A1 20081203**; **EP 1998403 B1 20110504**; AT E508492 T1 20110515; CN 101373860 A 20090225; CN 101373860 B 20140604; DE 602008006627 D1 20110616; ES 2366345 T3 20111019; FR 2916908 A1 20081205; FR 2916908 B1 20110930; SG 148136 A1 20081231

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**EP 08104087 A 20080526**; AT 08104087 T 20080526; CN 200810173702 A 20080530; DE 602008006627 T 20080526; ES 08104087 T 20080526; FR 0703878 A 20070531; SG 2008040503 A 20080528