

Title (en)

Radio communication device in a guided transport means

Title (de)

Funkkommunikationsgerät in einem gesteuerten Verkehrsmittel

Title (fr)

Dispositif de communication radioélectrique dans un moyen de transport guidé

Publication

EP 2042402 A1 20090401 (FR)

Application

EP 08105428 A 20080925

Priority

FR 0706722 A 20070925

Abstract (en)

The device has a continuous radiating structure (10) formed by waveguides of a rectangular section presenting three sections (a, b, c) pierced with a series of slots (12, 14, 16) respectively. A microwave signal is injected into the slots. An energy transition unit transmits energy between the structure and a Yagi type directive antenna, where the sections are adjacent and consecutive to each other. Large dimension of the slots (14) progressively extends on length of the section (b).

Abstract (fr)

L'invention concerne un dispositif de communication radioélectrique (10, 20) comportant une structure continue rayonnante (a) percé d'une première série de fentes (12), à l'intérieur de laquelle un signal hyperfréquence est injecté, une antenne directive (c) et un moyen de transition (b) d'énergie entre la structure continue rayonnante (a) et l'antenne directive (c) caractérisée en ce que ledit moyen de transition (b) et ladite antenne directive (c) sont constitués respectivement d'un deuxième et d'un troisième tronçons de structures rayonnantes.

IPC 8 full level

B61L 3/22 (2006.01); **H01Q 1/32** (2006.01); **H01Q 13/20** (2006.01); **H01Q 19/30** (2006.01)

CPC (source: EP)

B61L 3/125 (2013.01); **H01Q 1/3225** (2013.01); **H01Q 13/20** (2013.01); **H01Q 19/30** (2013.01)

Citation (applicant)

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Citation (search report)

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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

Designated extension state (EPC)

AL BA MK RS

DOCDB simple family (publication)

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