Title (en)

BROADBAND OMNIDIRECTIONAL ANTENNA, ESPECIALLY FOR RAILWAY VEHICLES, AND SUCH A RAIL VEHICLE

Title (de)

BREITBANDIGE OMNIDIREKTIONALE ANTENNE, INSBESONDERE FÜR SCHIENENFAHRZEUGE UND EIN SOLCHES SCHIENENFAHRZEUG

Title (fr)

ANTENNE LARGE BANDE OMNIDIRECTIONNELLE, EN PARTICULIER POUR DES VÉHICULES SUR RAILS ET VÉHICULE SUR RAILS

Publication

EP 3276745 B1 20190306 (DE)

Application

EP 17179452 A 20170704

Priority

DE 102016114093 A 20160729

Abstract (en)

[origin: US2018034138A1] A broadband omnidirectional antenna for rail vehicles comprises a baseplate and a monopole radiator, which comprises a foot point and an opposing end region. The radiator extends away from the baseplate and widens in cross section along the longitudinal axis thereof in at least a first portion located between the foot point thereof and the end region thereof, diverging walls of the radiator forming an accommodating chamber. An inner contour of a shell-shaped or trough-shaped holding and/or accommodating device is adapted at least over part of the periphery to an outer contour of the first portion of the radiator, resulting in at least part of at least the first portion of the radiator dipping into the holding and/or accommodating device and being held thereby. The first end of a holding means is fixed to the baseplate and a second end thereof is fixed to the radiator.

IPC 8 full level

H01Q 1/32 (2006.01); **H01Q 9/40** (2006.01); H01Q 1/42 (2006.01)

CPC (source: CN EP US)

H01Q 1/12 (2013.01 - CN); **H01Q 1/32** (2013.01 - CN US); **H01Q 1/3275** (2013.01 - EP US); **H01Q 1/36** (2013.01 - CN); **H01Q 9/40** (2013.01 - EP US); H01Q 1/36 (2013.01 - US); H01Q 1/42 (2013.01 - EP US)

Cited by

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DOCDB simple family (publication)

EP 3276745 A1 20180131; **EP 3276745 B1 20190306**; CN 107666032 A 20180206; CN 107666032 B 20210406; DE 102016114093 A1 20180201; DE 102016114093 B4 20200116; US 10355345 B2 20190716; US 2018034138 A1 20180201

DOCDB simple family (application)

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