

Title (en)

Local traffic rail vehicle, preferably low floor suspension vehicle, in multi-joint construction

Title (de)

Nahverkehrsschienenfahrzeug, vorzugsweise Niederflur-Fahrwerksfahrzeug, in Multigelenk-Bauweise

Title (fr)

Véhicule sur rail pour le trafic de proximité, de préférence véhicule à plancher bas, à articulations multiples

Publication

EP 2733039 B1 20200108 (DE)

Application

EP 13192716 A 20131113

Priority

DE 102012220806 A 20121114

Abstract (en)

[origin: EP2733039A1] The vehicle i.e. low-floor landing gear vehicle (1), has landing gears with axle bases, and a front entrance region (4) provided with low entrance height of about 250 mm. A multi-functional surface (5) is arranged between a driver's cab (2) and an axis (3) of the vehicle located in the front entrance region. The surface is formed with a horizontal intermediate level with a predominantly horizontal plane, transverse- and longitudinal ramps and a wedge region. The ramps are inclined from the axis towards the intermediate level or from the level towards the entrance region.

IPC 8 full level

B61D 17/10 (2006.01)

CPC (source: EP)

B61D 17/10 (2013.01)

Citation (opposition)

Opponent : Stadler Rail AG

- DE 19530645 A1 19960314 - JENBACHER ENERGIESYSTEME AG [AT]
- WO 0064721 A2 20001102 - BOMBARDIER WIEN SCHIENEN [AT], et al
- PL 379771 B1
- WO 2012117093 A1 20120907 - BOMBARDIER TRANSP GMBH [DE], et al
- DE 102005009119 A1 20060907 - MAN NUTZFAHRZEUGE AG [DE]
- DE 1716657 A1
- "Entscheidung über die technische Spezifikation für die Interoperabilität bezüglich "eingeschränkter mobiler Personen" im konventionellen transeuropäischen Eisenbahnsystem und im transeuropäischen Hochgeschwindigkeitsbahnsystem", TSI PRM, 7 March 2008 (2008-03-07), XP055742261
- "DIN 18040-1 UND 18040-2 Planungsgrundlagen des barrierefreien Bauens", DEUTSCHE NORM, October 2010 (2010-10-01), pages 18040 - 1, XP055742264
- R. KÖNIG, VERKEHRSRÄUME, VERKEHRSANLAGEN UND VERKEHRSMITTEL BARRIEREFREI GESTALTEN, January 2008 (2008-01-01)

Designated contracting state (EPC)

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

DOCDB simple family (publication)

EP 2733039 A1 20140521; EP 2733039 B1 20200108; EP 2733039 B2 20230802; DE 102012220806 A1 20140515; ES 2778055 T3 20200807; ES 2778055 T5 20240305

DOCDB simple family (application)

EP 13192716 A 20131113; DE 102012220806 A 20121114; ES 13192716 T 20131113