

Title (en)

VEHICLE, IN PARTICULAR A RAIL VEHICLE, COMPRISING A HIGHER FLOOR REGION AND A LOWER FLOOR REGION

Title (de)

FAHRZEUG, INSBESONDERE SCHIENENFAHRZEUG, MIT EINEM HOCHFLUR- UND EINEM NIEDERFLURBEREICH

Title (fr)

VÉHICULE, EN PARTICULIER VÉHICULE FERROVIAIRE, COMPORTANT UN ESPACE À PLANCHER HAUT ET UN ESPACE À PLANCHER BAS

Publication

**EP 3016829 B1 20200311 (DE)**

Application

**EP 14752599 A 20140812**

Priority

- DE 102013217949 A 20130909
- EP 2014067204 W 20140812

Abstract (en)

[origin: WO2015032593A1] The invention relates to a vehicle, in particular a rail vehicle (10), comprising a higher floor region (11, 13) and a lower floor region (12) which is at a lower level than the higher floor region (11, 13). According to the invention, a centre sill (20, 21) located in the higher floor region (11, 13) and a floor element (30) located in the lower floor region (12) are directly or indirectly welded by means of at least one weld seam (100) which extends in the longitudinal direction (L) of the vehicle, or at least also in said direction.

IPC 8 full level

**B61D 17/10** (2006.01)

CPC (source: EP)

**B61D 17/10** (2013.01)

Citation (examination)

- US 2794650 A 19570604 - SCHILBERG ARNOLD G
- CN 201338655 Y 20091104 - DONGFENG MOTOR CO LTD [CN]
- JP 2007062568 A 20070315 - SUZUKI MOTOR CO
- JP 2001122153 A 20010508 - HINO MOTORS LTD
- WO 2011074054 A1 20110623 - TOYOTA AUTO BODY CO LTD [JP], et al
- AT A822002 A 20030115 - MAN SONDERFAHRZEUGE AG [AT]

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)

**DE 102013217949 A1 20150312**; DK 3016829 T3 20200518; EP 3016829 A1 20160511; EP 3016829 B1 20200311; ES 2786252 T3 20201009; PL 3016829 T3 20200727; PT 3016829 T 20200430; WO 2015032593 A1 20150312

DOCDB simple family (application)

**DE 102013217949 A 20130909**; DK 14752599 T 20140812; EP 14752599 A 20140812; EP 2014067204 W 20140812; ES 14752599 T 20140812; PL 14752599 T 20140812; PT 14752599 T 20140812