

Title (en)

RAIL VEHICLE HAVING INTERIOR PORTIONS AT DIFFERENT FLOOR LEVELS

Title (de)

SCHIENENFAHRZEUG MIT INNENRAUMABSCHNITTEN AUF VERSCHIEDENEN FUSSBODENHÖHEN

Title (fr)

VÉHICULE FERROVIAIRE À SECTIONS D'ESPACE INTÉRIEUR SITUÉES À DIFFÉRENTES HAUTEURS DE PLANCHER

Publication

EP 3538410 B1 20201202 (DE)

Application

EP 18700465 A 20180104

Priority

- DE 102017201445 A 20170130
- EP 2018050205 W 20180104

Abstract (en)

[origin: WO2018137910A1] Rail vehicle having a first interior portion (3) at a first floor level and a second interior portion (6) which is adjacent to the first interior portion and is located at a second floor level, which is located above the first floor level of the first interior portion, wherein a lifting arrangement (5) having a lift platform (10) is provided in order to negotiate the difference between the first and the second floor levels, wherein the lifting arrangement is arranged in the first interior portion so as to be directly adjacent to the second interior portion and moves the lift platform between a lower position, in which its upper side is in alignment with an upper side of the floor in the second interior portion, and an upper position, in which its upper side is in alignment with an upper side of the floor in the first interior portion, wherein the lifting arrangement has two step arrangements (13; 14) which extend in each case laterally from the lift platform and, coupled to a vertical movement of the lift platform, can be retracted and extended in the vertical direction.

IPC 8 full level

B61D 23/02 (2006.01); **A61G 3/06** (2006.01); **B61D 1/00** (2006.01); **B61D 17/10** (2006.01)

CPC (source: EP RU)

A61G 3/062 (2013.01 - EP RU); **A61G 3/068** (2016.10 - EP); **B61D 1/00** (2013.01 - EP); **B61D 17/10** (2013.01 - EP RU); **B61D 23/02** (2013.01 - EP); **A61G 2220/12** (2013.01 - EP)

Citation (opposition)

Opponent : Stadler Rail AG

- DE 69927010 T2 20060622 - BOMBARDIER TRANSP GMBH [DE]
- DE 102007018756 A1 20081023 - REINHOLD GUNTER [DE]
- EP 2778009 A1 20140917 - ALSTOM TRANSP TECH [FR]
- DE 102012204304 A1 20130919 - SIEMENS AG [DE]
- DE 102010005298 A1 20110728 - REINHOLD GUNTER [DE]
- EP 2060470 A2 20090520 - BOMBARDIER TRANSP GMBH [DE]
- EP 1464558 A2 20041006 - LEIPZIGER FAHRZEUGSERVICE BETR [DE]
- EP 0307343 A1 19890315 - LINKE HOFMANN BUSCH [DE]
- EP 1203707 A2 20020508 - VEVEY TECHNOLOGIES SA [CH]
- DE 102011118951 A1 20130523 - DB SYSTEMTECHNIK GMBH [DE]
- DE 202014000010 U1 20140210 - SCARON KODA VAGONKA A S [CZ]
- ANDREW NASH, IMPROVING PASSENGER RAIL ACCESSIBILITY, 4 February 2015 (2015-02-04), XP055840128

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)

WO 2018137910 A1 20180802; CN 211809604 U 20201030; DE 102017201445 A1 20180802; DK 3538410 T3 20210125; EP 3538410 A1 20190918; EP 3538410 B1 20201202; ES 2858429 T3 20210930; PL 3538410 T3 20210504; PT 3538410 T 20210119; RU 194958 U1 20200109

DOCDB simple family (application)

EP 2018050205 W 20180104; CN 201890000479 U 20180104; DE 102017201445 A 20170130; DK 18700465 T 20180104; EP 18700465 A 20180104; ES 18700465 T 20180104; PL 18700465 T 20180104; PT 18700465 T 20180104; RU 2019122567 U 20180104