

Title (en)

RAILWAY VEHICLE HAVING A LOWERED BOGIE

Title (de)

SCHIENENFAHRZEUG MIT MINDESTENS EIN ABGESENKTES DREHGESTELL UMFASST

Title (fr)

VÉHICULE FERROVIAIRE COMPRENANT AU MOINS UN BOGIE ABAISSÉ

Publication

**EP 3159236 B2 20220119 (FR)**

Application

**EP 16195129 A 20161021**

Priority

- FR 1560142 A 20151023
- FR 1650360 A 20160118

Abstract (en)

[origin: US2017113706A1] A railway vehicle includes two adjacent carriages (6), each including a carriage body (8), each carriage (6) including a lower floor (54) and an upper floor (56), positioned above each other so as to define a lower level (58) and an upper level (60), the bodies (8) being supported by a common bogie (1) and being articulated with each other through an articulation device (2). The carriages (6) are connected to each other through an interconnection passage (62), the passage (62) extending substantially at right angles to the articulation device (2) and including a lower floor connecting the lower floors (54) of both carriages (6) and an upper floor connecting the upper floors (56) of both carriages.

IPC 8 full level

**B61D 1/06** (2006.01); **B61F 3/12** (2006.01); **B61F 3/16** (2006.01); **B61F 5/52** (2006.01)

CPC (source: EP US)

**B61D 1/06** (2013.01 - EP US); **B61F 3/125** (2013.01 - EP US); **B61F 5/52** (2013.01 - US); **B61F 3/16** (2013.01 - US)

Citation (opposition)

Opponent :

- EP 0756980 A1 19970205 - SCHILLING GERHARD [DE]
- CH 350679 A 19601215 - RHEINSTAHL SIEGENER EISENBAHN [DE]
- DE 19627693 A1 19980115 - WAGGONFABRIK TALBOT GMBH & CO [DE]
- EP 1834856 B1 20130313 - ALSTOM TRANSPORT SA [FR]
- EP 1312526 B1 20040428 - TALGO OY [FI]
- AT 11726 B 19030511 - WAGGONFABRIK ACTIENGESSELLSCHAF, et al
- US 6551039 B1 20030422 - FORBES JAMES W [CA]
- WO 9522478 A1 19950824 - WAGGONFABRIK TALBOT GMBH & CO [DE], et al
- EP 1897777 A1 20080312 - ALSTOM TRANSPORT SA [FR]
- US 1879093 A 19320927 - CLARKE ALLEN W
- EP 0548044 B1 19980520 - BOMBARDIER WIEN SCHIENEN [AT]
- DE 102007022713 A1 20081120 - SIEMENS AG [DE]
- DE 102012219252 A1 20140424 - SIEMENS AG [DE]
- EP 0336809 B1 19910731
- EP 0763454 A2 19970319 - SIEMENS SGP VERKEHRSTECH GMBH [AT]
- ANONYMOUS: "Talga 22", FERROPEDIA, 22 November 2011 (2011-11-22), Retrieved from the Internet <URL:http://ferropedia.es/mediawiki/index.php/Talga\_22>
- ANONYMOUS: "Talga 22 vorgestellt", EISENBAHN-REVUE, vol. 2005, no. 8-9, 2005, pages 391

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 3159236 A1 20170426**; **EP 3159236 B1 20190320**; **EP 3159236 B2 20220119**; ES 2731919 T3 20191119; ES 2731919 T5 20220408; FR 3042769 A1 20170428; FR 3042769 B1 20190621; US 10286931 B2 20190514; US 2017113706 A1 20170427

DOCDB simple family (application)

**EP 16195129 A 20161021**; ES 16195129 T 20161021; FR 1650360 A 20160118; US 201615332153 A 20161024