

Title (en)

Rail car underframe assembly and modular car body for a rail vehicle

Title (de)

Untergestellanordnung für ein Schienenfahrzeug und modulare Karosserie für ein Schienenfahrzeug

Title (fr)

Ensemble de châssis de véhicule ferroviaire et carrosserie modulaire pour véhicule ferroviaire

Publication

EP 2130739 A1 20091209 (EN)

Application

EP 08010338 A 20080606

Priority

EP 08010338 A 20080606

Abstract (en)

A rail vehicle car body includes two end modules (14), at least one of which is provided with a lateral access door, and a tubular module (18) extending from one of the two end modules to the other and mechanically fastened to the two end modules. The tubular module comprises a doorless shell made of longitudinal aluminium alloy extruded profiles extending from one of the two end modules to the other and longitudinally welded together. With such a structure, the interior outfit of the rail car can be installed through one of the open ends of the tubular module, after the longitudinal profiles of the shell have been welded together and painted. Similarly, refurbishment is simplified, since one of the end modules can be removed to give access to the interior of the tubular module.

IPC 8 full level

B61F 1/10 (2006.01); **B61D 15/06** (2006.01)

CPC (source: EP)

B61D 15/06 (2013.01); **B61F 1/10** (2013.01)

Citation (applicant)

- EP 0329551 A1 19890823 - ARBEL FAUVET RAIL SA [FR]
- EP 0802100 A1 19971022 - ALSTOM DDF [FR]
- GB 2411632 A 20050907 - BOMBARDIER TRANSP GMBH [DE]
- DE 19956856 A1 20010531 - SIEMENS DUEWAG GMBH [DE]
- EP 0888946 A1 19990107 - ALSTOM DDF [FR]
- US 4235170 A 19801125 - BAUER HORACE P [US]

Citation (search report)

- [XA] EP 0329551 A1 19890823 - ARBEL FAUVET RAIL SA [FR]
- [X] EP 0802100 A1 19971022 - ALSTOM DDF [FR]
- [X] GB 2411632 A 20050907 - BOMBARDIER TRANSP GMBH [DE]
- [XA] DE 19956856 A1 20010531 - SIEMENS DUEWAG GMBH [DE]
- [DA] EP 0888946 A1 19990107 - ALSTOM DDF [FR]
- [A] EP 0836976 A1 19980422 - ABB DAIMLER BENZ TRANSP [DE]

Cited by

WO2012037952A1; CN102556085A; AT521684A4; AT521684B1; CN105292275A; RU172293U1; EP2305529A3; DE102009045202B4; EP3623247A4; JP2018144689A; RU199814U1; JP2020104780A; CN102107349A; EP3670286A1; US10226799B2; US9290188B2; EP2619063B1

Designated contracting state (EPC)

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

Designated extension state (EPC)

AL BA MK RS

DOCDB simple family (publication)

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DOCDB simple family (application)

EP 08010338 A 20080606; CN 200980121120 A 20090605; EP 2009004069 W 20090605; ES 08010338 T 20080606; PL 08010338 T 20080606