Title (en)

Rail vehicle car body and method of assembly

Title (de)

Karosserie für ein Schienenfahrzeug und Montageverfahren

Title (fr)

Carrosserie de voiture de véhicule ferroviaire et procédé d'assemblage

Publication

EP 2130738 A1 20091209 (EN)

Application

EP 08010337 A 20080606

Priority

EP 08010337 A 20080606

Abstract (en)

A rail vehicle car body (10) includes two end modules (14), at least one of which is provided with a lateral access door (142), 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 aluminium alloy extruded longitudinal 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

B61D 17/04 (2006.01)

CPC (source: EP)

B61D 17/041 (2013.01); **B61D 17/045** (2013.01)

Citation (applicant)

EP 1043206 A1 20001011 - BISIACH & CARRU [IT]

Citation (search report)
- [Y] EP 0836976 A1 19980422 - ABB DAIMLER BENZ TRANSP [DE]
- [Y] EP 1043206 A1 20001011 - BISIACH & CARRU [IT]
- [A] EP 0785121 A1 19970723 - HITACHI LTD [JP]
- [A] EP 0624501 A1 19941117 - INVENTIO AG [CH]
- [A] DE 102006043925 A1 20080327 - VOITH TURBO LOKOMOTIVTECHNIK G [DE]

Cited by

EP4215427A1; EP3330153A1; EP2669133A1; CN108791338A; EP4155158A1; GB2602014A; GB2602014B; EP2562061A1; FR2979317A1; WO2014016050A1

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)

EP 2130738 A1 20091209; **EP 2130738 B1 20170315**; CN 102083667 A 20110601; CN 102083667 B 20131218; WO 2009146941 A1 20091210

DOCDB simple family (application)

EP 08010337 A 20080606; CN 200980121119 A 20090605; EP 2009004068 W 20090605