

Title (en)
CHASSIS FRAME OF A RAIL VEHICLE

Title (de)
FAHRWERKSRAHMEN EINES SCHIENENFAHRZEUGS

Title (fr)
CHÂSSIS D'UN VÉHICULE FERROVIAIRE

Publication
EP 3281837 A1 20180214 (DE)

Application
EP 17185349 A 20070619

Priority
• DE 102006029835 A 20060627
• EP 15174656 A 20070619
• EP 07765491 A 20070619

Abstract (en)
[origin: US2010011985A1] A running gear frame for a running gear of a rail vehicle with a frame body, which is configured to be supported at least on one wheel unit of the running gear. The frame body has two longitudinal beams extending in a longitudinal direction of the running gear and at least one transverse beam extending in a transverse direction of the running gear. The transverse beam substantially rigidly connects the two longitudinal beams to each other. The frame body is at least partially made of grey cast iron material.

Abstract (de)
Fahrwerksrahmen für ein Fahrwerk eines Schienenfahrzeugs mit einem Rahmenkörper (101; 201; 301), der dazu ausgebildet ist, sich auf wenigstens einer Radeinheit des Fahrwerks abzustützen, wobei der Rahmenkörper (101; 201; 301) zumindest teilweise aus einem Graugussmaterial hergestellt ist.

IPC 8 full level
B61F 5/52 (2006.01)

CPC (source: EP KR US)
B61F 1/08 (2013.01 - KR); **B61F 5/52** (2013.01 - EP KR US); **Y10T 29/49622** (2015.01 - EP US)

Citation (applicant)
• GB 1209389 A 19701021 - GEN STEEL IND INC [US]
• US 6622776 B2 20030923 - BAUER ANTHONY J [US], et al

Citation (search report)
• [XYI] DE 4309004 A1 19940922 - MAN NUTZFAHRZEUGE AG [DE]
• [Y] EP 0345708 A1 19891213 - ALSTHOM CREUSOT RAIL [FR]
• [A] EP 0564423 A1 19931006 - FIAT FERROVIARIA SPA [IT]
• [A] DE 4134597 C1 19921210
• [A] DE 10301913 A1 20040805 - VOITH TURBO KG [DE]
• [A] JP 3262135 B2 20020304

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC MT NL PL PT RO SE SI SK TR

Designated extension state (EPC)
RS

DOCDB simple family (publication)
US 2010011985 A1 20100121; US 8196522 B2 20120612; AU 2007263821 A1 20080103; AU 2007263821 B2 20130808; AU 2007263821 B9 20140227; BR PI0713085 A2 20121009; CA 2655967 A1 20080103; CA 2655967 C 20150421; CN 101506023 A 20090812; CN 101506023 B 20130807; DE 102006029835 A1 20080103; EG 25558 A 20120223; EP 2038157 A1 20090325; EP 2038157 B1 20150729; EP 3009323 A1 20160420; EP 3009323 B1 20170809; EP 3281837 A1 20180214; ES 2547479 T3 20151006; ES 2646297 T3 20171213; IL 196135 A0 20090922; JP 2009541130 A 20091126; JP 5237270 B2 20130717; KR 101436128 B1 20141103; KR 20090049577 A 20090518; MA 30618 B1 20090803; MX 2008016397 A 20090211; NO 20090360 L 20090123; NO 337601 B1 20160509; PL 2038157 T3 20160129; PL 3009323 T3 20180430; PT 2038157 E 20151016; PT 3009323 T 20171114; RU 2009102505 A 20100810; RU 2480364 C2 20130427; UA 98464 C2 20120525; WO 2008000657 A1 20080103; ZA 200810865 B 20090930

DOCDB simple family (application)
US 30550207 A 20070619; AU 2007263821 A 20070619; BR PI0713085 A 20070619; CA 2655967 A 20070619; CN 200780030408 A 20070619; DE 102006029835 A 20060627; EG 2008122051 A 20081221; EP 07765491 A 20070619; EP 15174656 A 20070619; EP 17185349 A 20070619; EP 2007056077 W 20070619; ES 07765491 T 20070619; ES 15174656 T 20070619; IL 19613508 A 20081223; JP 2009517111 A 20070619; KR 20097001489 A 20070619; MA 31503 A 20081224; MX 2008016397 A 20070619; NO 20090360 A 20090123; PL 07765491 T 20070619; PL 15174656 T 20070619; PT 07765491 T 20070619; PT 15174656 T 20070619; RU 2009102505 A 20070619; UA A200814797 A 20070619; ZA 200810865 A 20081223