

Title (en)  
RAILWAY VEHICLE COMPRISING PIVOTING END BOGIES

Title (de)  
SCHIENENFAHRZEUG MIT DREHBAREN ENDGESTELLEN

Title (fr)  
VEHICULE FERROVIAIRE COMPRENANT DES BOGIES D'EXTREMITE PIVOTANTS

Publication  
**EP 2132080 B1 20110824 (FR)**

Application  
**EP 08799840 A 20080314**

Priority  
• FR 2008050435 W 20080314  
• FR 0754306 A 20070405

Abstract (en)  
[origin: WO2008129205A1] Disclosed is a railway vehicle (10) comprising two end bogies (16a). Each end bogie (16a) encompasses a chassis (22), two front wheels (24) and two rear wheels (26), a member (32, 38, 48) for rotationally guiding each front wheel (24) and rear wheel (26), and a primary suspension device (33) for the chassis (22) on said guiding member (32, 38, 48) for each front wheel (24) and each rear wheel (26). At least each primary suspension device (33) associated with the front and rear wheels (24, 26) located on a same first side of the bogie (16) comprises two longitudinal rods (91, 92) which are each connected to the chassis (22) by means of a first connection point (94, 96) and to the corresponding guiding member (32) by means of a second connection point (98, 100), and at least one elastic element (102) that is positioned between the two rods (91, 92) to define at least the vertical rigidity of the primary suspension device (33). The two rods (90, 91) are longitudinally offset relative to one another. Each end bogie (16a) is provided with pin means (60, 62; 176, 180) for connecting said end bogie (16a) to the vehicle (10).

IPC 8 full level  
**B61F 5/32** (2006.01); **B61D 13/00** (2006.01); **B61F 3/04** (2006.01)

CPC (source: EP KR US)  
**B61D 13/00** (2013.01 - EP KR US); **B61F 3/04** (2013.01 - EP KR US); **B61F 5/32** (2013.01 - KR); **B61F 5/325** (2013.01 - EP US)

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

DOCDB simple family (publication)  
**FR 2914609 A1 20081010; FR 2914609 B1 20090710**; AT E521515 T1 20110915; CA 2682001 A1 20081106; CA 2682001 C 20160503; CA 2682931 A1 20081106; CA 2682931 C 20151215; CA 2683119 A1 20081030; CA 2683119 C 20160209; CN 101678841 A 20100324; CN 101678841 B 20110817; CN 101678842 A 20100324; CN 101678842 B 20110817; CN 101678843 A 20100324; CN 101678843 B 20110810; EP 2132080 A1 20091216; EP 2132080 B1 20110824; EP 2142411 A1 20100113; EP 2142411 B1 20140702; EP 2142412 A1 20100113; EP 2142412 B1 20150701; ES 2372560 T3 20120123; ES 2497500 T3 20140923; ES 2547491 T3 20151006; KR 101456595 B1 20141112; KR 101465146 B1 20141204; KR 101487792 B1 20150129; KR 20090130078 A 20091217; KR 20100016241 A 20100212; KR 20100016242 A 20100212; PL 2132080 T3 20120229; PL 2142411 T3 20141231; PL 2142412 T3 20151231; US 2010083866 A1 20100408; US 2010132585 A1 20100603; US 2010186620 A1 20100729; US 8365675 B2 20130205; US 8371234 B2 20130212; US 8381659 B2 20130226; WO 2008129205 A1 20081030; WO 2008132360 A1 20081106; WO 2008132361 A1 20081106

DOCDB simple family (application)  
**FR 0754306 A 20070405**; AT 08799840 T 20080314; CA 2682001 A 20080314; CA 2682931 A 20080314; CA 2683119 A 20080314; CN 200880016111 A 20080314; CN 200880016680 A 20080314; CN 200880017475 A 20080314; EP 08787999 A 20080314; EP 08788001 A 20080314; EP 08799840 A 20080314; ES 08787999 T 20080314; ES 08788001 T 20080314; ES 08799840 T 20080314; FR 2008050435 W 20080314; FR 2008050440 W 20080314; FR 2008050442 W 20080314; KR 20097022077 A 20080314; KR 20097023105 A 20080314; KR 20097023106 A 20080314; PL 08787999 T 20080314; PL 08788001 T 20080314; PL 08799840 T 20080314; US 59480108 A 20080314; US 59480408 A 20080318; US 59480708 A 20080314