

Title (en)

Motorized bogie for a low-floor railway vehicle

Title (de)

Triebdrehgestell für ein Niederflurschienenfahrzeug

Title (fr)

Bogie moteur pour vehicule ferroviaire a plancher bas integral

Publication

**EP 1270359 B1 20061220 (FR)**

Application

**EP 02291504 A 20020617**

Priority

FR 0108425 A 20010626

Abstract (en)

[origin: EP1270359A1] The powered bogie comprises a chassis (1) resting on four wheels (2) by means of a primary suspension (3). The chassis supports a motor (5) connected to a wheel by a transmission. Each wheel comprises an individual wheel shaft supported by an axle box. The transmission comprises a reducer (7) directly coupled to the wheel shaft and a double cardan joint telescopic transmission (6) located between the reducer and the motor. The reducer is placed outside the wheel and comprises a casing integrating the wheel shaft axle box. The reducer casing supports the primary suspension.

IPC 8 full level

**B61C 9/38** (2006.01); **B61C 9/52** (2006.01); **B61F 3/16** (2006.01); **B61F 5/30** (2006.01); **B61F 5/52** (2006.01); **B61H 5/00** (2006.01)

CPC (source: EP US)

**B61C 9/52** (2013.01 - EP US); **B61F 3/16** (2013.01 - EP US)

Cited by

EP3159236A1; EP3159237A1; CZ305145B6; CZ307181B6; IT201600088005A1; FR2914607A1; CN101992791A; DE102014215201A1; CN101979266A; FR3042769A1; US11260692B2; US8978563B2; FR2896751A1; EP1826092A1; CN110843841A; FR3042768A1; CN107031676A; RU2715669C2; AU2016247234B2; WO2016202942A1; WO2006050694A3; WO2018042326A1; WO2008129207A1; US10286931B2; DE102013002096A1; EP3205545A1; US10315670B2; EP3159236B1

Designated contracting state (EPC)

AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE TR

DOCDB simple family (publication)

**EP 1270359 A1 20030102**; **EP 1270359 B1 20061220**; AT E348742 T1 20070115; AU 4891902 A 20030102; AU 779297 B2 20050113; CA 2391566 A1 20021226; CA 2391566 C 20080812; DE 60216855 D1 20070201; DE 60216855 T2 20070830; ES 2273981 T3 20070516; FR 2826328 A1 20021227; FR 2826328 B1 20030829; JP 2003025989 A 20030129; JP 3983114 B2 20070926; US 2002195018 A1 20021226; US 6601520 B2 20030805

DOCDB simple family (application)

**EP 02291504 A 20020617**; AT 02291504 T 20020617; AU 4891902 A 20020624; CA 2391566 A 20020625; DE 60216855 T 20020617; ES 02291504 T 20020617; FR 0108425 A 20010626; JP 2002182447 A 20020624; US 17545702 A 20020620