

Title (en)

ACTIVE STEERING BOGIE FOR RAILWAY VEHICLES USING LEVERAGE

Title (de)

AKTIVES LENKFAHRGESTELL FÜR SCHIENENFAHRZEUGE MIT HEBELVERHÄLTNIS

Title (fr)

BOGIE DIRECTEUR ACTIF POUR VEHICULES FERROVIAIRES UTILISANT UN BRAS DE LEVIER

Publication

EP 2086812 A4 20130327 (EN)

Application

EP 07851577 A 20071218

Priority

- KR 2007006609 W 20071218
- KR 20070126426 A 20071206

Abstract (en)

[origin: WO2009072692A1] An active steering bogie for railway vehicles can improve the driving stability of a railway vehicle running at a high speed, thereby increasing the stability of the vehicle, so that the vehicle is not derailed, and can also minimize the vibration of wheels and rails during the driving of the vehicle, thereby ensuring driving comfort. The active steering bogie uses leverage, has a simple structure of links for steering wheel shafts of the bogie, and can use leverage to actuate the links with a small force, thereby reducing the weight of the bogie and facilitating maintenance. The active steering bogie includes a front steering unit, hinged to front axle boxes on both sides of a front wheel shaft to steer the front wheel shaft; and a rear steering unit, hinged to rear axle boxes on both sides of a rear wheel shaft to steer the rear wheel shaft.

IPC 8 full level

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CPC (source: EP KR)

B61F 5/00 (2013.01 - KR); **B61F 5/38** (2013.01 - KR); **B61F 5/386** (2013.01 - EP)

Citation (search report)

- [XYI] WO 03010039 A2 20030206 - BOMBARDIER TRANSP GMBH [DE], et al
- [Y] US 4735149 A 19880405 - SCHEFFEL HERBERT [ZA], et al
- [Y] EP 0365489 A2 19900425 - FIAT FERROVIARIA SPA [IT]
- [Y] DE 3119164 A1 19821202 - MASCHF AUGSBURG NUERNBERG AG [DE]
- See references of WO 2009072692A1

Designated contracting state (EPC)

DE FR GB IT

DOCDB simple family (publication)

WO 2009072692 A1 20090611; CN 101588952 A 20091125; CN 101588952 B 20120321; EP 2086812 A1 20090812; EP 2086812 A4 20130327; EP 2086812 B1 20151118; JP 2010505703 A 20100225; JP 4994461 B2 20120808; KR 100916594 B1 20090911; KR 20090059530 A 20090611

DOCDB simple family (application)

KR 2007006609 W 20071218; CN 200780016163 A 20071218; EP 07851577 A 20071218; JP 2009544782 A 20071218; KR 20070126426 A 20071206