

Title (en)
RAILROAD VEHICLE CARRIAGE

Title (de)
SCHIENENFAHRZEUGWAGEN

Title (fr)
CHARIOT DE VÉHICULE DE CHEMIN DE FER

Publication
EP 3012172 A1 20160427 (EN)

Application
EP 14814492 A 20140619

Priority
• JP 2013128697 A 20130619
• JP 2014066299 W 20140619

Abstract (en)
To reduce a decrease in a wheel load on the outer rail side of the front axle that occurs when traveling at low speed, particularly in an exit easement curve section. A bogie for a railway vehicle having a bogie frame 22 supported by axle springs 10 disposed on axle boxes 9 which rotatably support a wheel set 7, with air springs 4 disposed on both sides of the railway vehicle in a width direction of the bogie frame, each of the air springs 4 being provided with an automatic height adjusting device 6 for maintaining a constant height of a vehicle body 5 which is supported by the air springs 4. The axle boxes 9 are disposed at positions closer to the center side of the railway vehicle in the width direction than the wheels 7b attached to both sides of a shaft 7a which constitutes a wheel set 7, and a height detection position of the automatic height adjusting device 6 is detected at a position between an axial center of the air springs 4 and an axial center of the axle springs 10. It becomes possible to improve the ability to pass through exit easement curve sections.

IPC 8 full level
B61F 5/30 (2006.01); **B60G 17/052** (2006.01); **B60G 99/00** (2010.01); **B61F 5/10** (2006.01); **B61F 5/22** (2006.01)

CPC (source: EP)
B61F 5/10 (2013.01); **B61F 5/22** (2013.01); **B61F 5/301** (2013.01)

Cited by
EP3971051A1

Designated contracting state (EPC)
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)
BA ME

DOCDB simple family (publication)
EP 3012172 A1 20160427; **EP 3012172 A4 20170308**; **EP 3012172 B1 20200212**; CN 105339233 A 20160217; CN 105339233 B 20170804; JP 6079881 B2 20170215; JP WO2014203971 A1 20170223; WO 2014203971 A1 20141224

DOCDB simple family (application)
EP 14814492 A 20140619; CN 201480034889 A 20140619; JP 2014066299 W 20140619; JP 2015522979 A 20140619