

Title (en)

Coupling bar with joints in units of railway carrying wagons

Title (de)

Kuppelstange mit Richtgelenken in Eisenbahntragwageneinheiten

Title (fr)

Barre d'accouplement avec articulations dans des unités de wagons porteurs ferroviaires

Publication

EP 1407954 B1 20090610 (DE)

Application

EP 03021793 A 20030926

Priority

DE 10247621 A 20021011

Abstract (en)

[origin: EP1407954A1] The coupling rods (4) for rail traction car units with their directional articulation plates (5) on the end facing the end traction car have at least two but no more than three coupling rod end section (7) pieces which are pivot-mounted at least on a support bearing plate (6) and movable at least axially. The coupling rod end sections, upon which are installed pressure side individual spring elements (8.1), are installed paired and spaced apart parallel in the side outer end region of the directional articulation plate.

IPC 8 full level

B61G 9/24 (2006.01); **B61G 7/10** (2006.01)

CPC (source: EP)

B61G 7/10 (2013.01); **B61G 9/24** (2013.01)

Cited by

RU174750U1; RU2471664C2; US10246108B2; JP2015003606A; EP3072773A1; US8714376B2

Designated contracting state (EPC)

AT CH FR IT LI

DOCDB simple family (publication)

EP 1407954 A1 20040414; **EP 1407954 B1 20090610**; AT E433403 T1 20090615; DE 10247621 A1 20040422

DOCDB simple family (application)

EP 03021793 A 20030926; AT 03021793 T 20030926; DE 10247621 A 20021011