

Title (en)

Linkage for draw-bars of rail vehicles

Title (de)

Richtgelenk für Kuppelstangen von Schienenfahrzeugen

Title (fr)

Articulation pour barres d'attelage de véhicule ferroviaires

Publication

EP 1407953 B1 20080917 (DE)

Application

EP 03021512 A 20030924

Priority

DE 10246428 A 20021004

Abstract (en)

[origin: EP1407953A1] The simplified directional joint for coupling rods has a pressure side spring plate damping element (6) clamped between the end faces (7) of the coupling rod (2) and support bearing plates (4) of the directional joint inside a support cage (8) on the outer edges (9) of which are located support and tilting points (10). The gap (a) between these points and contact face (13) of the support bearing plate is such that with deflection of the coupling rod in the vertical and/or horizontal direction with simultaneous acting of initial longitudinal pressure forces (Ldk) they come to bear as a force transfer point between the coupling rod and support bearing plate.

IPC 8 full level

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

CPC (source: EP)

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

Cited by

EP3205550A1; EP1982892A1; AT17595U1; CN104879378A; EP3072773A1; EP1946988A1; EP2886413A1; CN106132801A; EP3006300A1; WO2015096893A1; US8714376B2; US10308262B2; US2017225696A1; CN107054397A; CN109138655A; US10807618B2; JP2015003606A; WO2023030262A1; EP3205550B1; EP3205550B2

Designated contracting state (EPC)

CH FR IT LI

DOCDB simple family (publication)

EP 1407953 A1 20040414; **EP 1407953 B1 20080917**; DE 10246428 A1 20040422; DE 10246428 B4 20090709

DOCDB simple family (application)

EP 03021512 A 20030924; DE 10246428 A 20021004