

Title (en)
Coupling bar for railway wagon

Title (de)
Eisenbahnwagen-Kuppelstange

Title (fr)
Barre d'attelage pour wagon de chemin de fer

Publication
EP 1747960 A3 20080514 (DE)

Application
EP 06012095 A 20060613

Priority
DE 102005034527 A 20050723

Abstract (en)
[origin: EP1747960A2] Between each end plate (4) of the coupling rod and the supportive bearing plate (5), there is a pivot plate (9). This (9) is supported by a pair of parallel spring discs on the coupling rod end . The pivot plate (9) has spherical rolling surfaces (11) facing the bearing plate (5). These permit rolling displacement of the point of longitudinal force (Ldk) transmission (14). This accommodates horizontal and vertical displacements during coupling rod deflection.

IPC 8 full level
B61G 9/14 (2006.01); **B61G 7/10** (2006.01)

CPC (source: EP)
B61G 7/10 (2013.01); **B61G 9/24** (2013.01)

Citation (search report)

- [DA] DE 10305937 A1 20040902 - BARTEL MANFRED [DE]
- [A] EP 1247715 A1 20021009 - SCHWAB VERKEHRSTECHNIK AG [CH]
- [A] EP 1342637 A1 20030910 - BARTEL MANFRED [DE]

Cited by
US10246108B2; US8714376B2

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC NL PL PT RO SE SI SK TR

Designated extension state (EPC)
AL BA HR MK RS

DOCDB simple family (publication)
EP 1747960 A2 20070131; EP 1747960 A3 20080514; EP 1747960 B1 20100804; AT E476342 T1 20100815; DE 102005034527 A1 20070125; DE 102005034527 B4 20081204; DE 502006007571 D1 20100916; ES 2349558 T3 20110105; PT 1747960 E 20100831

DOCDB simple family (application)
EP 06012095 A 20060613; AT 06012095 T 20060613; DE 102005034527 A 20050723; DE 502006007571 T 20060613; ES 06012095 T 20060613; PT 06012095 T 20060613