

Title (en)  
Central buffer coupling for railway vehicles

Title (de)  
Mittelpufferkupplung für Schienenfahrzeuge

Title (fr)  
Attelage central pour véhicules ferroviaires

Publication  
**EP 1719684 A1 20061108 (DE)**

Application  
**EP 05009705 A 20050503**

Priority  
EP 05009705 A 20050503

Abstract (en)  
The coupling has a coupling-shaft (1) and a linkage (2), which includes a bearing case (4), where the rear end of the shaft is connected with the linkage. The rear end of the shaft is horizontally pivotable by the bearing case at a wagon body of the railway vehicle. A shock proof unit (5) integrated in the linkage is designed such that a connection between the shaft and the linkage is released when a critical impact force transmitted by the shaft to the linkage exceeds, and the shaft partially absorbs the force transmitted to the linkage.

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

CPC (source: EP KR US)  
**B61G 7/10** (2013.01 - EP US); **B61G 7/14** (2013.01 - EP KR US)

Citation (search report)  
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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 MC NL PL PT RO SE SI SK TR

Designated extension state (EPC)  
AL BA HR LV MK YU

DOCDB simple family (publication)  
**EP 1719684 A1 20061108; EP 1719684 B1 20070815**; AT E370044 T1 20070915; AU 2006243520 A1 20061109; AU 2006243520 B2 20110623; CA 2568871 A1 20061109; CA 2568871 C 20121016; CN 100503331 C 20090624; CN 1976840 A 20070606; DE 502005001252 D1 20070927; DK 1719684 T3 20071112; ES 2289616 T3 20080201; KR 101184501 B1 20120919; KR 20080009248 A 20080128; NO 20065289 L 20061117; NO 334458 B1 20140310; PL 1719684 T3 20080131; US 2007107623 A1 20070517; US 7552830 B2 20090630; WO 2006117045 A1 20061109

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**EP 05009705 A 20050503**; AT 05009705 T 20050503; AU 2006243520 A 20060330; CA 2568871 A 20060330; CN 200680000406 A 20060330; DE 502005001252 T 20050503; DK 05009705 T 20050503; EP 2006002903 W 20060330; ES 05009705 T 20050503; KR 20067025417 A 20060330; NO 20065289 A 20061117; PL 05009705 T 20050503; US 59379306 A 20061107