

Title (en)
Separable central buffer coupling with centering device

Title (de)
Trennbare Mittenstellungskupplung

Title (fr)
Attelage séparable à tampon central avec dispositif de recentrage

Publication
EP 1719686 A1 20061108 (DE)

Application
EP 05009976 A 20050506

Priority
EP 05009976 A 20050506

Abstract (en)
The coupling has a coupling-shaft vertically pivoted at a linkage housing of a railway vehicle. A coupling-head is provided at a free end of the coupling-shaft. A separable center position coupling (6) releases the connection between a control mechanism of a horizontal central resetting device and a center position guide when a critical impact force or traction force exceeds. A connecting plate moves backwards and pushes the linkage into a space provided in an undercarriage of the wagon body during crash. The connection between the coupling-shaft and the control mechanism is released during crash i.e. when impact force or traction force is transmitted over the shaft.

IPC 8 full level
B61G 7/12 (2006.01); **B61G 7/14** (2006.01)

CPC (source: EP US)
B61G 7/12 (2013.01 - EP US); **B61G 7/14** (2013.01 - EP US)

Citation (applicant)
EP 1321344 A1 20030625 - VOITH TURBO SCHARFENBERG GMBH [DE]

Citation (search report)
• [A] DE 10355640 B3 20041104 - VOITH TURBO SCHARFENBERG GMBH [DE]
• [A] EP 1127769 A2 20010829 - WESTINGHOUSE AIR BRAKE TECH CORP [US]
• [A] US 2802580 A 19570813 - LARSON MADONNA L

Cited by
CN102343918A; DE102016104740A1; US11370466B2; WO2018077752A1

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 1719686 A1 20061108; EP 1719686 B1 20070829; AT E371561 T1 20070915; AU 2006201676 A1 20061123; CN 100429105 C 20081029; CN 1857953 A 20061108; DE 502005001381 D1 20071011; DK 1719686 T3 20071029; ES 2290817 T3 20080216; NO 20061784 L 20061107; PL 1719686 T3 20080131; US 2006249470 A1 20061109; US 7513376 B2 20090407

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EP 05009976 A 20050506; AT 05009976 T 20050506; AU 2006201676 A 20060421; CN 200610076548 A 20060430; DE 502005001381 T 20050506; DK 05009976 T 20050506; ES 05009976 T 20050506; NO 20061784 A 20060424; PL 05009976 T 20050506; US 41715206 A 20060504