

Title (en)

Device for resiliently supporting the coupling shaft of a central buffer coupling on a railway vehicle

Title (de)

Vorrichtung zum elastischen Abstützen des Kupplungsschafts einer Mittelpufferkupplung an einem Schienenfahrzeug

Title (fr)

Dispositif de montage élastique d'une tige d'accouplement d'un attelage à tampon central à un véhicule ferroviaire

Publication

EP 0947410 B1 20040428 (DE)

Application

EP 99106435 A 19990329

Priority

DE 19814166 A 19980330

Abstract (en)

[origin: EP0947410A1] The assembly to give an elastic support to the coupling shaft (4) of a center buffer coupling, at a rail vehicle, has a collar (11) at the coupling shaft (4) with a tensioning ring (12) at the rear side. It has a ring (9) towards the opening of the buffer housing (3) at the leading side. The tensioning ring (12) applies a tension on the leading ring (9) along the coupling shaft (4) when the buffer is not under loading forces, in the direction of expected pressure and impact.

IPC 1-7

B61G 7/10; **B61G 9/06**

IPC 8 full level

B61G 7/10 (2006.01); **B61G 9/06** (2006.01)

CPC (source: EP KR US)

B61G 7/10 (2013.01 - EP KR US); **B61G 9/06** (2013.01 - EP US)

Cited by

US7552830B2; EP1785330A1; CN103496382A; EP1719684A1; EP3205550A1; WO2007057072A1; WO2006117045A1; KR101184501B1; US10807618B2

Designated contracting state (EPC)

AT BE CH DE ES FR GB IT LI NL SE

DOCDB simple family (publication)

EP 0947410 A1 19991006; **EP 0947410 B1 20040428**; AT E265347 T1 20040515; AU 4130599 A 19991018; AU 753678 B2 20021024; CA 2267725 A1 19990930; CA 2267725 C 20070821; CN 1118398 C 20030820; CN 1262651 A 20000809; DE 19814166 A1 19991007; DE 59909285 D1 20040603; ES 2221258 T3 20041216; IN 192935 B 20040612; KR 100547188 B1 20060126; KR 20010012927 A 20010226; PL 193368 B1 20070228; PL 337069 A1 20000731; US 6315139 B1 20011113; WO 9950121 A1 19991007

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EP 99106435 A 19990329; AT 99106435 T 19990329; AU 4130599 A 19990326; CA 2267725 A 19990330; CN 99800433 A 19990326; DE 19814166 A 19980330; DE 59909285 T 19990329; DE 9900922 W 19990326; ES 99106435 T 19990329; IN 225MU1999 A 19990326; KR 19997010895 A 19991124; PL 33706999 A 19990326; US 28112399 A 19990329