

Title (en)

CRASH-SUITABLE DESIGN OF A JUNCTION BETWEEN RAILWAY VEHICLES WITH A PASSABLE ANTI-CLIMBING PROTECTIVE DEVICE FOR RAILWAY CARS

Title (de)

CRASHTAUGLICHE AUSFÜHRUNG EINES ÜBERGANGES BEI EISENBAHNFahrzeUGEN MIT DURCHGÄNGIGEM ANTICLIMBER AUFKLETTERSCHUTZ FÜR EISENBAHNWAGEN

Title (fr)

CONCEPTION ADAPTEE A DES COLLISIONS, D'UNE PASSERELLE DE VEHICULES FERROVIAIRES A PROTECTION ANTI-MONTEE POUR VOITURES DE TRAINS

Publication

EP 1687190 B1 20070919 (DE)

Application

EP 04761064 A 20041008

Priority

- AT 2004000342 W 20041008
- AT 17352003 A 20031031

Abstract (en)

[origin: WO2005042329A1] The invention concerns a train (ZUV) with at least two intercoupled railway vehicles (WA1, WA2), between which a junction (UEB) is provided that has at least two interconnectable bellows (WB1, WB2), each comprising a number of bellows frames (BR1, BR2, BR3, BR4). Said junction (UEB) also has junction metal sheets (UB1, UB2, UB3, UB4) and a support (ABS), which is provided for these junction metal sheets (UB1, UB2, UB3, UB4) and which can be displaced on a friction plate (GLP) mounted between the railway vehicles (WA1, WA2) via a coupling device (KUP). At least one anti-climbing protective device (AC1, AC2) is provided on each of the intercoupled end areas of the railway vehicles (WA1, WA2), and the anti-climbing protective devices (AC1, AC2) each essentially span the entire width of the vehicle. The lower edges of the bellows frames (BR1, BR2, BR3, BR4) are mounted above the upper edges of the anti-climbing protective devices (AC1, AC2), and the friction plate (GLP) is mounted under the lower edge of the anti-climbing protective devices (AC1, AC2).

IPC 8 full level

B61D 15/06 (2006.01); **B61D 17/20** (2006.01)

CPC (source: EP US)

B61D 15/06 (2013.01 - EP US); **B61D 17/20** (2013.01 - EP US)

Cited by

CN108099930A

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LI LU MC NL PL PT RO SE SI SK TR

DOCDB simple family (publication)

WO 2005042329 A1 20050512; AR 047233 A1 20060111; AT 503047 A1 20070715; AT 503047 B1 20070915; AT E373590 T1 20071015; AU 2004285617 A1 20050512; AU 2004285617 B2 20080228; BR PI0415556 A 20061226; BR PI0415556 B1 20140729; CA 2543752 A1 20050512; CA 2543752 C 20090526; CN 100391772 C 20080604; CN 1902072 A 20070124; DE 502004005050 D1 20071031; EP 1687190 A1 20060809; EP 1687190 B1 20070919; ES 2294520 T3 20080401; JP 2007509791 A 20070419; JP 4325675 B2 20090902; TW 200524771 A 20050801; TW I326654 B 20100701; US 2007131135 A1 20070614; US 7506590 B2 20090324

DOCDB simple family (application)

AT 2004000342 W 20041008; AR P040104018 A 20041101; AT 04761064 T 20041008; AT 17352003 A 20031031; AU 2004285617 A 20041008; BR PI0415556 A 20041008; CA 2543752 A 20041008; CN 200480039423 A 20041008; DE 502004005050 T 20041008; EP 04761064 A 20041008; ES 04761064 T 20041008; JP 2006536993 A 20041008; TW 93131281 A 20041015; US 59559704 A 20041008