

Title (en)

RAIL VEHICLE COMPRISING AT LEAST TWO IMPACT-ABSORBING POSTS ARRANGED IN A FRONT END REGION OF THE RAIL VEHICLE AND HAVING COLLAPSIBLE REGIONS WHERE BUCKLING OCCURS IN THE EVENT OF A COLLISION

Title (de)

SCHIENENFAHRZEUG MIT AN EINEM STIRNSEITIGEN ENDBEREICH ZUMINDEST ZWEI RAMMSÄULEN MIT KNICKGELENK

Title (fr)

VEHICULE FERROVIAIRE DOTE D'AU MOINS DEUX COLONNES D'AMORTISSEMENT DE CHOC DOTEES D'UNE ZONE DE PLIAGE DANS UNE ZONE TERMINALE FRONTALE

Publication

EP 1802507 B1 20090422 (DE)

Application

EP 05793241 A 20051010

Priority

- AT 2005000404 W 20051010
- AT 17572004 A 20041019

Abstract (en)

[origin: WO2006042348A1] Disclosed is a rail vehicle comprising at least two impact-absorbing posts (RS1, RS2) which are disposed in a front end region (END) and extend vertically to the floor (BOD) of the rail vehicle. According to the invention, a deformable area (KZO) is provided on the front side of the floor (BOD) and each impact-absorbing post (RS1, RS2) is connected to the roof section (DAB) of the rail vehicle via the upper-end region (OE1, OE2) thereof, each impact-absorbing post having, in the respective upper-end region thereof, a predetermined collapsible region (OE1, OE2) where the buckling (SK1, SK2) of said post should occur in the event of a collision.

IPC 8 full level

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

CPC (source: EP US)

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

Cited by

CN104144839A

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

DOCDB simple family (publication)

WO 2006042348 A1 20060427; AT 503688 A1 20071215; AT 503688 B1 20080415; AT E429366 T1 20090515; AU 2005297308 A1 20060427; AU 2005297308 B2 20081106; CA 2584451 A1 20060427; CA 2584451 C 20091006; DE 502005007157 D1 20090604; EP 1802507 A1 20070704; EP 1802507 B1 20090422; ES 2323594 T3 20090721; US 2007214996 A1 20070920; US 7743714 B2 20100629

DOCDB simple family (application)

AT 2005000404 W 20051010; AT 05793241 T 20051010; AT 17572004 A 20041019; AU 2005297308 A 20051010; CA 2584451 A 20051010; DE 502005007157 T 20051010; EP 05793241 A 20051010; ES 05793241 T 20051010; US 78746607 A 20070417