

Title (en)

RAIL VEHICLE WITH COUPLING ELEMENT UNIT BETWEEN THE BODY OF THE WAGON AND THE CHASSIS

Title (de)

SCHIENENFAHRZEUG MIT KOPPELELEMENTEINHEITEN ZWISCHEN WAGENKASTEN UND FAHRWERK

Title (fr)

VEHICULE SUR RAILS AVEC UNITE A ELEMENTS D'ACCOUPLEMENT ENTRE LA CAISSE ET LE CHASSIS

Publication

EP 0975503 A1 20000202 (DE)

Application

EP 98965174 A 19981124

Priority

- DE 19805895 A 19980213
- EP 9807583 W 19981124

Abstract (en)

[origin: US6279488B1] A coupling element unit with spring action is located between a car body and an undercarriage of a railway vehicle. To largely relieve the coupling element unit from forces that act at a right angle to the suspension direction, a sliding adapter is provided that has two sliding elements and that can be displaced with respect to one another parallel to a floor of the car body.

IPC 1-7

B61F 5/14

IPC 8 full level

B61F 5/14 (2006.01)

CPC (source: EP KR US)

B61F 5/14 (2013.01 - EP KR US)

Designated contracting state (EPC)

AT BE CH DE ES FR GB IT LI NL

DOCDB simple family (publication)

US 6279488 B1 20010828; AT E264210 T1 20040415; CA 2281728 A1 19990819; CZ 282399 A3 19991215; CZ 286362 B6 20000315; DE 19805895 C1 19990708; DE 59811202 D1 20040519; EP 0975503 A1 20000202; EP 0975503 B1 20040414; ES 2218879 T3 20041116; HU 222126 B1 20030428; HU P0001544 A2 20000928; HU P0001544 A3 20011228; JP 2000510417 A 20000815; JP 3383805 B2 20030310; KR 100356132 B1 20021019; KR 20010006079 A 20010115; WO 9941126 A1 19990819

DOCDB simple family (application)

US 40294499 A 19991012; AT 98965174 T 19981124; CA 2281728 A 19981124; CZ 282399 A 19981124; DE 19805895 A 19980213; DE 59811202 T 19981124; EP 9807583 W 19981124; EP 98965174 A 19981124; ES 98965174 T 19981124; HU P0001544 A 19981124; JP 54094699 A 19981124; KR 19997009157 A 19991006