

Title (en)

Railway vehicle with crash absorber, in particular tramway

Title (de)

Schienefahrzeug mit Crashabsorber-Anordnung, insbesondere Straßenbahn

Title (fr)

Véhicule ferroviaire doté d'un absorbeur 'énergie, notamment pour un tramway

Publication

EP 2277762 B1 20150415 (DE)

Application

EP 10090007 A 20100723

Priority

DE 102009034682 A 20090724

Abstract (en)

[origin: EP2277762A2] The vehicle has lower and upper bumper bars (3, 5) forming impact surfaces and arranged at two heights, respectively. Irreversible crash absorbers (13a, 13b, 15a) are connected to the bumper bars and absorb impact energy on the surfaces during collision, respectively. A coupling has a rod (43) that directs linear movement of a coupling element (47) fastened to the upper bumper bar during collision. The coupling has a stop striking at the coupling element during the linear movement so that the impact energy is absorbed by one of the crash absorbers (13a). An independent claim is also included for a method for manufacturing a crash absorber-arrangement for a railway vehicle.

IPC 8 full level

B61D 15/06 (2006.01); **B61G 11/16** (2006.01)

CPC (source: EP)

B61D 15/06 (2013.01); **B61G 11/16** (2013.01)

Cited by

AT16104U1; CN103608233A; AU2012269183B2; EP2594452A1; US8783479B2; EP3059137A1; FR3032677A1; EP3812232A1; WO2012171880A1

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DOCDB simple family (publication)

EP 2277762 A2 20110126; **EP 2277762 A3 20121031**; **EP 2277762 B1 20150415**; DE 102009034682 A1 20110210; ES 2541593 T3 20150722; PL 2277762 T3 20150831

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