

Title (en)
COLLISION PROTECTION IN A COUPLER FOR RAIL-MOUNTED VEHICLES, AND A COUPLER EQUIPPED THEREWITH FOR PERMANENTLY CONNECTING TWO RAIL-MOUNTED VEHICLE UNITS

Title (de)
KOLLISIONSSCHUTZ IN EINER KUPPLUNGSVORRICHTUNG FÜR SCHIENENGEBUNDENE FAHRZEUGE UND EINE DAMIT AUSGESTATTETE KUPPLUNGSVORRICHTUNG ZUR DAUERHAFTEN VERBINDUNG VON ZWEI SCHIENENGEBUNDENEN FAHRZEUGEINHEITEN

Title (fr)
PROTECTION CONTRE LES COLLISIONS DANS UN DISPOSITIF DE COUPLAGE POUR VEHICULES MONTES SUR RAILS, COMPRENANT UN DISPOSITIF DE COUPLAGE PERMETTANT DE RELIER EN PERMANENCE DEUX VEHICULES MONTES SUR RAILS

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Abstract (en)
[origin: WO2005023618A1] The invention relates to a collision protection for couplings the rail-mounted vehicles of the type that comprises a coupling element (1) in which two parts (6, 7) translationally movable in relation to each other are included, between which one or more energy-extincting elements (23, 24) of deformable character are arranged. Characteristic of the invention is that the energy-extinction elements (23, 24) consist of tubes, which are deformable by radial compression as a consequence of having a first, tapering end portion inserted into a thinner bore (25, 26) in one of the parts (7) and an opposite, free end distanced from the second part (6) in order to, upon displacement of the two parts (6, 7) in the direction of each other, be pressed axially into the bores. The invention is particularly suitable for use in link devices of the type that is used for permanently connecting two rail-mounted vehicle units.

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Citation (search report)
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Cited by
CN103003128A; EP3372472A1; US9561807B2; US11459004B2; US8915385B2; WO2011162673A1; WO2011162674A1; WO2013135918A1; WO2018162327A1; WO2011162671A1; WO2011162672A1

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