Title (en)

Link device suitable for linking a first chassis and a second chassis of a rail - mounted vehicle

Title (de)

Verbindungsvorrichtung zum Verbinden eines ersten Fahrzeugrahmens und eines zweiten Fahrzeugrahmens eines schienengebundenen Fahrzeugs

Title (fr)

Dispositif de liaison adapté pour relier un premier châssis et un deuxième châssis d'un véhicule monté sur rails

Publication

EP 2554452 A1 20130206 (EN)

Application

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Priority

EP 11461529 A 20110801

Abstract (en)

The invention relates to a link device suitable for linking a first chassis and a second chassis of a rail-mounted vehicle, comprising a first link member having a first end suitable for being fixed to a chassis of a rail-mounted vehicle and having a second end opposite to the first end in the direction of a longitudinal axis, the first link member having a through hole or recess suitable for a joint pin to be held in the through hole or recess, a joint pin, whereby a first section of the joint pin is held in the through hole or recess of the first link member, the first link member having a frame-substructure that forms the second end and extends from the second end towards the first end, the frame-substructure having an inward facing surface at the second end that faces towards the first end and that is in contact with the part of the outer surface of the joint pin that faces towards the second end of the first link member, the inward facing surfaces forming one part of the surface that delimits the through hole or recess, a second link member having a first end suitable for being fixed to a chassis of a rail-mounted vehicle and having a second end opposite to the first end in the direction of a longitudinal axis, the second link member having a through hole or a recess, a second section of the joint pin being held in the through hole or recess of the second link member, an energy absorption member with a first end and a second end, the first end of the energy absorption member has a contact surface that is in contact with the part of the outer surface of the joint pin that faces towards the first end of the first link member, whereby the contact surface faces the second end of the first link member and forms a further part of the surface that delimits the through hole or recess, the second end of the energy absorption member is in contact with a support member being arranged closer towards the first end of the first link member than the joint pin or at the first end of the first link member and the frame-substructure having guide surfaces that are arranged in such a manner that they guide the joint pin to travel along the longitudinal axis, if the joint pin is pushed to move from its position where it is being held in the through hole or recess towards the first end of the first link member in a manner that moves the first end of the energy absorption member towards the first end of the first link member while the energy absorption member absorbs energy.

IPC 8 full level

B61G 5/02 (2006.01); **B61D 3/10** (2006.01)

CPC (source: EP)

B61D 3/10 (2013.01); **B61G 5/02** (2013.01)

Citation (applicant)

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- EP 1312527 B1 20030604 - VOITH TURBO SCHARFENBERG GMBH [DE]
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- [AD] EP 1312527 B1 20030604 - VOITH TURBO SCHARFENBERG GMBH [DE]
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Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)

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DOCDB simple family (publication)

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DOCDB simple family (application)

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