

Title (en)

Link coupling between railway cars of an articulated train.

Title (de)

Gelenkkupplung zwischen Eisenbahnwagen eines Gliederzuges.

Title (fr)

Articulation d'accouplement entre véhicules ferroviaires de rame articulée.

Publication

EP 0435755 A1 19910703 (FR)

Application

EP 90403703 A 19901220

Priority

FR 8917531 A 19891229

Abstract (en)

Coupling joint between rail vehicles resting on a middle bogey, which comprises an element made of elastic composite material (5) formed from seven layers of elastomeric composition (7) sandwiched by six metal hoops (6) of constant thickness, the contact surfaces being in the form of truncated cones preferably of an apex angle of 25 degrees, the inner reinforcement (8), forming an assembly surface (9), and the outer reinforcement (4), supporting the element made of elastic composite material (5), being adhesively bonded to the adjacent layers of elastomeric composition (7a) and (7g). <??>The invention is used for the coupling of railway trains.

Abstract (fr)

Articulation d'accouplement entre véhicules ferroviaires reposant sur un bogie médian, qui comporte un élément en matériau composite élastique (5) formé de sept couches en composition élastomérique (7) prises en sandwich par six frettes métalliques (6), d'épaisseur constante, les surfaces de contact étant en forme de troncs de cône, préférentiellement d'angle au sommet 25 degrés, l'armature interne (8) formant surface d'assemblage (9) et l'armature externe (4), qui supporte l'élément en matériau composite élastique (5), étant adhésivées aux couches en composition élastomérique (7a) et (7g), adjacentes. Application à l'accouplement de rames ferroviaires;

IPC 1-7

B61D 3/10; **B61F 3/12**; **B61F 5/20**; **B61G 5/02**

IPC 8 full level

B61D 3/10 (2006.01); **B61F 3/12** (2006.01); **B61F 5/20** (2006.01); **B61G 5/02** (2006.01)

CPC (source: EP KR US)

B61D 3/10 (2013.01 - EP US); **B61F 3/12** (2013.01 - EP US); **B61F 5/20** (2013.01 - EP US); **B61G 5/02** (2013.01 - EP KR US)

Citation (search report)

- [AD] EP 0343482 A1 19891129 - ALSTHOM [FR]
- [A] CH 340525 A 19590831 - INVENTIO AG [CH]
- [A] US 3667820 A 19720606 - SHERRICK JAMES W

Cited by

FR2901763A1; CN102416832A; US8166888B2

Designated contracting state (EPC)

AT BE CH DE DK ES FR GB GR IT LI LU NL SE

DOCDB simple family (publication)

EP 0435755 A1 19910703; **EP 0435755 B1 19930915**; AT E94488 T1 19931015; CA 2030726 A1 19910630; DE 435755 T1 19920813; DE 69003370 D1 19931021; DE 69003370 T2 19940113; ES 2030641 T1 19921116; ES 2030641 T3 19931216; FR 2656580 A1 19910705; FR 2656580 B1 19920403; GR 920300054 T1 19920831; KR 0143066 B1 19980801; KR 910011569 A 19910807; US 5150657 A 19920929

DOCDB simple family (application)

EP 90403703 A 19901220; AT 90403703 T 19901220; CA 2030726 A 19901123; DE 69003370 T 19901220; DE 90403703 T 19901220; ES 90403703 T 19901220; FR 8917531 A 19891229; GR 920300054 T 19920831; KR 900019378 A 19901128; US 63596190 A 19901228