

Title (en)

Combined coupling and buffing device for a railway vehicle.

Title (de)

Kombinierte Kuppel- und Puffervorrichtung für ein Eisenbahnfahrzeug.

Title (fr)

Dispositif combiné d'attelage et de tamponnement d'un véhicule ferroviaire.

Publication

EP 0060775 A1 19820922 (FR)

Application

EP 82400430 A 19820310

Priority

- FR 8104929 A 19810312
- FR 8115087 A 19810804

Abstract (en)

1. Combined attachment and buffer device for railway vehicle, constituted by an auxiliary frame (11) which is mounted on the vehicle chassis (3), which is adapted to rest under compression on said chassis, supports lateral buffers (19) absorbing the colliding forces under compression, and rests, via a thrusting zone (20) on a supporting zone (22) of the chassis (3) which traverses the longitudinal median plane (24) of said chassis, and by a traction attachment (30), said thrusting (20) and supporting (22) zones being shaped so as to allow a variation of the orientation of the auxiliary frame substantially equal to a pivoting movement about the vertical geometrical axis of said supporting zone (22), the assembly being designed to operate as a rectifying articulation in conformity with the international regulations on automatic attachments, whereas an articulation pin (32) traverses the auxiliary frame (11) and the chassis (3), characterized in that the assembly of the articulation pin (32) with at least one (35-11) of said two pieces (auxiliary frame (11) and chassis (3)) is achieved with a play (J1 , J2 , J3) such that the compression forces in the case of collision, are transmitted by the auxiliary frame (11) to the chassis (3) solely by the thrusting zone (20) of the auxiliary frame resting against the supporting zone (22) of the chassis, always with the rectifying articulation effect.

Abstract (fr)

L'invention est relative à un dispositif combiné d'attelage et de tamponnement d'un véhicule ferroviaire, constitué par un bâti auxiliaire 11 qui est monté sur le châssis 3 du véhicule, est susceptible de prendre appui de compression sur ce châssis et supporte des tampons 19 et, par un attelage de traction. Le bâti auxiliaire 11 prend appui, par une zone de poussée 20, sur une zone d'appui 22 du châssis 3 passant par le plan longitudinal médian 24 du châssis 3, lesdites zones de poussée et d'appui étant conformées de manière à permettre un pivotement du bâti 11 autour de l'axe géométrique vertical de la zone d'appui 22 et constituant une articulation redresseuse. Une application est la réalisation de wagons ayant une tenue satisfaisante sur les rails 5.

IPC 1-7

B61G 9/04; B61F 1/10

IPC 8 full level

B61F 1/10 (2006.01); **B61G 9/04** (2006.01)

CPC (source: EP)

B61F 1/10 (2013.01); **B61G 9/045** (2013.01)

Citation (search report)

- DE 67246 C
- FR 2409896 A1 19790622 - BARONNET ANDRE [FR]
- GB 2053117 A 19810204 - AMSTED IND INC

Cited by

CN110525473A

Designated contracting state (EPC)

AT BE CH DE FR GB IT LU NL

DOCDB simple family (publication)

EP 0060775 A1 19820922; EP 0060775 B1 19850619; DE 3264200 D1 19850725

DOCDB simple family (application)

EP 82400430 A 19820310; DE 3264200 T 19820310