

Title (en)

Railway vehicle with a deformable driver's cab with dedicated repair interface

Title (de)

Schienenfahrzeug mit einer verformbaren Fahrerkabine mit zugehöriger Reparaturschnittstelle

Title (fr)

Véhicule de chemin de fer doté d'une cabine conducteur déformable avec une interface de réparation dédiée

Publication

EP 2407367 B1 20151014 (EN)

Application

EP 11184018 A 20050228

Priority

- EP 05707657 A 20050228
- GB 0404523 A 20040301

Abstract (en)

[origin: GB2411633A] The vehicle (2) defines a longitudinal direction and comprises <DL TSIZE=2> <DT>-<DD>a central section (10); <DT>-<DD>a vehicle cabin (12) that is shorter than the central section, the vehicle cabin (12) comprising a collapsible front section (16) that undergoes controlled collapse in case of collision; and at least one rigid section (18) located between the front section (16) and the central section (10), the front section (16) having a lower resistance to deformation than the rigid section (18); <DT>-<DD>at least one dedicated repair interface (14) for removably fixing the vehicle cabin (12) to the central section (10); e.g. by welding or fasteners. </DL> The rigid section (18) has a forward bracing ring also providing a front doorpost (21), a rear doorpost (19) being formed by a reinforced frame member rigidly connected to the interface (14). The interface (14) is provided by a lateral plate, optionally with an access opening to the central section (10). The front section (16) has frame members including an angled member (30) with a deformable bottom end (31), an upper deformable region (42) and a roof with a deformable region (44).

IPC 8 full level

B61D 15/06 (2006.01); **B61C 17/04** (2006.01); **B61D 17/06** (2006.01)

CPC (source: EP)

B61C 17/04 (2013.01); **B61D 15/06** (2013.01); **B61D 17/06** (2013.01)

Citation (examination)

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Cited by

RU172293U1; WO2017103646A1; US10850748B2; EP3415397B1

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DOCDB simple family (publication)

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