

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 A3 20120425 (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 (search report)

- [AD] US 5579699 A 19961203 - DANNAWI MARWAN [FR], et al
- [AD] US 6431083 B1 20020813 - CARSTENSEN HARTMUT [DE], et al
- [A] EP 1295772 A1 20030326 - HITACHI LTD [JP]
- [A] DE 4343800 A1 19950629 - TRANSTEC GMBH [DE]

Cited by

RU172293U1; WO2017103646A1; US10850748B2; EP3415397B1

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DOCDB simple family (publication)

**GB 0404523 D0 20040331**; **GB 2411633 A 20050907**; EP 1768883 A1 20070404; EP 1768883 B1 20121017; EP 2407367 A2 20120118; EP 2407367 A3 20120425; EP 2407367 B1 20151014; ES 2394213 T3 20130123; ES 2559017 T3 20160210; NO 20064399 L 20060928; NO 334391 B1 20140224; PL 1768883 T3 20130131; PL 2407367 T3 20160331; WO 2005085032 A1 20050915

DOCDB simple family (application)

**GB 0404523 A 20040301**; EP 05707657 A 20050228; EP 11184018 A 20050228; EP 2005002091 W 20050228; ES 05707657 T 20050228; ES 11184018 T 20050228; NO 20064399 A 20060928; PL 05707657 T 20050228; PL 11184018 T 20050228