

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 A2 20120118 (EN)

Application

EP 11184018 A 20050228

Priority

- EP 05707657 A 20050228
- GB 0404523 A 20040301

Abstract (en)

A railway vehicle (2) comprises a central section (10) and a vehicle cabin (12) that is shorter than the central section. The vehicle cabin (12) comprises 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) has a lower resistance to deformation than the rigid section (18). The rigid section (18) comprising a reinforced ring structure extending in a vertical plane perpendicular to the longitudinal direction; The vehicle is provided with at least one dedicated repair interface (14) for removably fixing the vehicle cabin (12) to the central section (10). The ring is rigidly connected via rigid longitudinal frame members to rear rigid frame members extending in a further vertical transverse plane located between the ring and the dedicated repair interface (14). The rear rigid frame members are rigidly affixed to the dedicated repair interface (14).

IPC 8 full level

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CPC (source: EP)

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

Citation (applicant)

- EP 0888946 B1 20030924 - ALSTOM DDF [FR]
- US 5579699 A 19961203 - DANNAWI MARWAN [FR], et al
- US 6431083 B1 20020813 - CARSTENSEN HARTMUT [DE], et al

Cited by

RU172293U1; WO2017103646A1; US10850748B2; EP3415397B1

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DOCDB simple family (publication)

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