

Title (en)

RAIL VEHICLE FOR PASSENGER TRANSPORTATION, ESPECIALLY FOR LOCAL TRAFFIC

Title (de)

SCHIENENFAHRZEUG ZUR PERSONENBEFÖRDERUNG, INSBESONDERE FÜR DEN NAHVERKEHR

Title (fr)

VEHICULE FERROVIAIRE DESTINE AU TRANSPORT DE PERSONNES, NOTAMMENT AU TRAFIC SUBURBAIN

Publication

EP 1232083 B1 20030521 (DE)

Application

EP 00987165 A 20001117

Priority

- DE 0004079 W 20001117
- DE 19956856 A 19991125

Abstract (en)

[origin: US6820759B1] A rail vehicle for passenger transportation, especially for local traffic, is provided with shock absorption units (1) at at least one of its ends. Said shock absorber units (1) are supported on a sandwich part (2) containing deformable metallic foam, in the longitudinal direction of the vehicle, said sandwich part forming a partial area of the floor (3) of the driver compartment (4), as a supporting structural element.

IPC 1-7

B61D 17/10; **B61D 15/06**; **B61G 11/16**

IPC 8 full level

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CPC (source: EP US)

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Cited by

US7836831B2; WO2006002448A1

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US 6820759 B1 20041123; AT E240860 T1 20030615; CA 2389499 A1 20010531; CA 2389499 C 20080108; DE 19956856 A1 20010531; DE 50002303 D1 20030626; EP 1232083 A1 20020821; EP 1232083 B1 20030521; ES 2199887 T3 20040301; NO 20022395 D0 20020521; NO 20022395 L 20020521; PT 1232083 E 20031031; WO 0138153 A1 20010531

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US 13080202 A 20020903; AT 00987165 T 20001117; CA 2389499 A 20001117; DE 0004079 W 20001117; DE 19956856 A 19991125; DE 50002303 T 20001117; EP 00987165 A 20001117; ES 00987165 T 20001117; NO 20022395 A 20020521; PT 00987165 T 20001117