

Title (en)
FRONT SECTION OF A RAILWAY CAR

Title (de)
EISENBAHNWAGEN-VORBAU

Title (fr)
AVANT-CORPS DE VEHICULE FERROVIAIRE

Publication
EP 1019276 A1 20000719 (DE)

Application
EP 98950090 A 19980929

Priority
• CZ 308597 A 19970930
• EP 9806175 W 19980929

Abstract (en)
[origin: WO9916652A1] The invention relates to the front section of a railway car comprising a motor transverse beam (2) which is horizontally arranged and vertical to the railway car axis (1). Both front section ends are firmly connected to the longitudinal supports located on the sides of a railway car (1), said supports being parallel to the railway car axis (1). The longitudinal supports (10) extend along the railway car axis (1) as diagonal longitudinal supports (3) from the motor transverse beam (2) toward the buffer elements (4). The longitudinal support ends which are situated opposite the motor transverse beam (2) are firmly connected to said buffer elements (4). A coupling support (6) is arranged in the middle of the motor transverse beam (2). Supports (5) which diagonally extend forward are firmly connected to said coupling support and the buffer elements (4). This results in forming a more compact nose of the inventive front section. The nose can be strengthened above and below by firmly connecting said nose to floor panels (7). The floor panels can have stabilizing reinforcing elements (8). The rear part of the front section extends from the motor transverse beam (2) to a horizontal crossover transverse beam (9) in a direction toward the middle of the car. Both crossover transverse beam ends are firmly connected to the longitudinal supports (10). In addition, horizontally extending floor panels (7) are provided above or below said rear part and the floor panels can have stabilizing reinforcing elements (8).

IPC 1-7
B61F 1/10; **B61D 15/06**

IPC 8 full level
B61D 15/06 (2006.01); **B61D 17/06** (2006.01); **B61G 11/00** (2006.01); **B61F 1/10** (2006.01); **B61G 11/18** (2006.01)

CPC (source: EP US)
B61D 15/06 (2013.01 - EP US); **B61F 1/10** (2013.01 - EP US)

Cited by
CN111605576A; RU210578U1; WO2013050620A2

Designated contracting state (EPC)
AT DE ES FI IT PT SE

DOCDB simple family (publication)
WO 9916652 A1 19990408; AT E214347 T1 20020315; AU 736155 B2 20010726; AU 9628798 A 19990423; CA 2306043 A1 19990408; CZ 284735 B6 19990217; CZ 308597 A3 19990217; DE 59803362 D1 20020418; EP 1019276 A1 20000719; EP 1019276 B1 20020313; ES 2173630 T3 20021016; HU 221287 B1 20020928; HU P0003752 A2 20010228; HU P0003752 A3 20011029; PL 190686 B1 20051230; PL 339549 A1 20001218; PT 1019276 E 20020731; RU 2218286 C2 20031210; US 6435102 B1 20020820

DOCDB simple family (application)
EP 9806175 W 19980929; AT 98950090 T 19980929; AU 9628798 A 19980929; CA 2306043 A 19980929; CZ 308597 A 19970930; DE 59803362 T 19980929; EP 98950090 A 19980929; ES 98950090 T 19980929; HU P0003752 A 19980929; PL 33954998 A 19980929; PT 98950090 T 19980929; RU 2000108430 A 19980929; US 50940600 A 20000502