

Title (en)

Body structure for railway vehicles.

Title (de)

Wagenkastenaufbau für Schienenfahrzeuge.

Title (fr)

Superstructure de caisse pour véhicules ferroviaires.

Publication

EP 0465427 B1 19951122 (DE)

Application

EP 91810509 A 19910701

Priority

CH 225690 A 19900706

Abstract (en)

[origin: CA2045848A1] The coach body construction comprises an upper structure having extruded profiles, which are connected detachably to one another by mechanical means and are made of an aluminium alloy, and a lower structure. The lower structure is composed of longitudinal and transverse supports which are extruded aluminium alloy profiles and are detachably connected to one another and to the upper structure by mechanical means. In interaction with the upper structure it is of inherently sturdy construction. The mechanical means are, in particular, screw-on corner connectors, and the profiles include profiles which have an at least one side, two undercut longitudinal grooves.

IPC 1-7

B61D 17/04

IPC 8 full level

B21C 23/14 (2006.01); **B61D 17/04** (2006.01); **B62D 27/06** (2006.01); **B62D 31/02** (2006.01)

CPC (source: EP US)

B61D 17/041 (2013.01 - EP US); **B61D 17/043** (2013.01 - EP US)

Cited by

EP2669133A1; US5997075A; EP0755838A1; CH689939A5; WO9938748A1; WO9615018A1; WO2009092462A1; EP2977287B1

Designated contracting state (EPC)

AT BE CH DE DK ES FR GB IT LI NL SE

DOCDB simple family (publication)

EP 0465427 A1 19920108; EP 0465427 B1 19951122; AT E130554 T1 19951215; AU 647489 B2 19940324; AU 7941291 A 19920109; CA 2045848 A1 19920107; CA 2045848 C 19960709; CH 682993 A5 19931231; CS 206691 A3 19920219; CZ 281615 B6 19961113; DE 59106931 D1 19960104; DK 0465427 T3 19960409; ES 2080283 T3 19960201; FI 913274 A0 19910705; FI 913274 A 19920107; HU 211423 B 19951128; HU 912280 D0 19911230; HU T60961 A 19921130; JP H04232174 A 19920820; NO 175047 B 19940516; NO 175047 C 19940831; NO 912605 D0 19910703; NO 912605 L 19920107; PT 98237 A 19930831; PT 98237 B 19990226; SK 279886 B6 19990507; US 5287813 A 19940222

DOCDB simple family (application)

EP 91810509 A 19910701; AT 91810509 T 19910701; AU 7941291 A 19910627; CA 2045848 A 19910627; CH 225690 A 19900706; CS 206691 A 19910704; DE 59106931 T 19910701; DK 91810509 T 19910701; ES 91810509 T 19910701; FI 913274 A 19910705; HU 228091 A 19910705; JP 16587491 A 19910705; NO 912605 A 19910703; PT 9823791 A 19910705; SK 206691 A 19910704; US 71663191 A 19910617