

Title (en)

A RAIL VEHICLE CARBODY OF MODULAR CONSTRUCTION

Title (de)

MODULAR AUSGEFÜHRTER SCHIENENFAHRZEUGAUFBAU

Title (fr)

CARROSSERIE D'UN VEHICULE FERROVIAIRE DE CONSTRUCTION MODULAIRE

Publication

EP 1353832 A1 20031022 (EN)

Application

EP 02716507 A 20020123

Priority

- SE 0200109 W 20020123
- SE 0100230 A 20010126

Abstract (en)

[origin: WO02058981A1] A carbody for a railbound vehicle of a modular construction comprising a floor module (1), a roof module (3), each forming single piece, self supporting structures, two end structures (2) and sides. The sides comprise vertical elements that are joint at the top to the roof module and at the bottom to the floor module and at the side to an adjoining vertical element or to an end structure. The vertical elements comprise wall modules (6, 7) and door modules (8). The door modules are self-supporting, structural parts mainly contributing to the cross-sectional strength of the vehicle, and the wall modules are thin, self-supporting structures and mainly contributes to the longitudinal strength of the vehicle. The door modules and said wall modules are the only structural parts of the sides. All joints are made with cold joining methods only.

IPC 1-7

B61D 17/04

IPC 8 full level

B61D 17/04 (2006.01)

CPC (source: EP)

B61D 17/045 (2013.01)

Citation (search report)

See references of WO 02058981A1

Cited by

US9623882B2; CN113060170A; CN109050552A; CN113353110A; US2016221588A1; WO2021143355A1; US9932049B2

Designated contracting state (EPC)

AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE TR

DOCDB simple family (publication)

WO 02058981 A1 20020801; WO 02058981 A8 20040527; AT E382006 T1 20080115; CN 1307071 C 20070328; CN 1489537 A 20040414; DE 60224258 D1 20080207; DE 60224258 T2 20081211; EP 1353832 A1 20031022; EP 1353832 B1 20071226; SE 0100230 D0 20010126; SE 0100230 L 20020727; SE 521440 C2 20031104

DOCDB simple family (application)

SE 0200109 W 20020123; AT 02716507 T 20020123; CN 02804151 A 20020123; DE 60224258 T 20020123; EP 02716507 A 20020123; SE 0100230 A 20010126