

Title (en)

Railway cars and methods of manufacture thereof.

Title (de)

Eisenbahnwaggon und Vorrichtung zur dessen Herstellung.

Title (fr)

Wagon de chemin de fer et procédé pour sa fabrication.

Publication

**EP 0579500 A1 19940119 (EN)**

Application

**EP 93305573 A 19930715**

Priority

- JP 5842893 A 19930318
- JP 19071392 A 19920717

Abstract (en)

The object of this invention is to provide a railway car body structure and a method of manufacture thereof, which maintain the strength and accuracy of the car body structure while at the same time keeping the body structure light in weight and thereby allows an efficient rigging work. For this purpose, members (63) corresponding to the side posts and rafters, which have conventionally been arranged inside the outside sheet of the vehicle body, are incorporated between the surface sheets of the panel. Coupling members (62) are attached to the outer periphery of the panel (60). These members are brazed together to form the panel. In each of the side blocks, underframe block, roof block and end blocks, the panels are prepared, combined and, while in a restrained condition, welded together to form the respective blocks. Next, rigging base plates for mounting equipments and parts are fixed to the surface sheets of each block at specified positions. All the blocks are then assembled into an integral car body structure, with the rigging such as side panels, chairs and luggage shelves mounted on the rigging base plates. With the construction according to this invention, it is possible to realize a block fabricating method and an assembly equipment which ensure high quality, precision and efficiency. <IMAGE>

IPC 1-7

**B61D 17/04**

IPC 8 full level

**B61D 17/04** (2006.01)

CPC (source: EP KR)

**B61D 17/00** (2013.01 - KR); **B61D 17/045** (2013.01 - EP)

Citation (search report)

- [X] EP 0474510 A1 19920311 - HITACHI LTD [JP]
- [A] EP 0260200 A1 19880316 - ALSTHOM [FR]
- [A] EP 0354436 A1 19900214 - CIMT COMP INT MAT TRANSPORT [FR]
- [A] DE 2031546 A1 19710930

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Designated contracting state (EPC)

DE FR IT

DOCDB simple family (publication)

**EP 0579500 A1 19940119**; EP 0785121 A1 19970723; KR 940005461 A 19940321; TW 261590 B 19951101; TW 276225 B 19960521

DOCDB simple family (application)

**EP 93305573 A 19930715**; EP 97105364 A 19930715; KR 930013395 A 19930716; TW 82105374 A 19930706; TW 84101375 A 19930706