

Title (en)

RAIL TRAIN BODY AND FABRICATION METHOD THEREFOR

Title (de)

SCHIENENZUGKÖRPER UND VERFAHREN ZU SEINER HERSTELLUNG

Title (fr)

CORPS DE RAME DE LONGS RAILS SOUDÉS ET PROCÉDÉ DE FABRICATION ASSOCIÉ

Publication

**EP 3929054 A4 20221130 (EN)**

Application

**EP 19921319 A 20191114**

Priority

- CN 201910221572 A 20190322
- CN 2019118258 W 20191114

Abstract (en)

[origin: EP3929054A1] A rail train body and a fabrication method therefor, the body (1) primarily comprising a main body structure formed by a roof (2), a side wall (3), a bottom rack (4), a side roof connecting section bar (5), a side bottom connecting section bar (6) and an independent door angle (7). The roof (2) is primarily formed by welding and installing a roof side beam section bar (21), an air conditioner plate section bar (22) and an arc-shaped roof section bar (23); the side wall (3) is primarily formed by welding and installing a side wallboard section bar (31), a door column section bar (32) and a side wall upper beam section bar (33); the bottom rack (4) is primarily formed by welding and installing bottom rack side beam section bars (41) located on two sides and a bottom rack floor section bar (42) in the middle position; the roof (2) and the side wall (3) and the side wall (3) and the bottom rack (4) are connected using a double shaft shoulder FWS. The present train body (1) solves the problem of difficulty in further reducing the weight of a conventional aluminum alloy body due to the strength limitations of the materials thereof, and avoids welding deformation.

IPC 8 full level

**B61D 17/04** (2006.01)

CPC (source: EP)

**B61D 17/041** (2013.01); **B61D 17/043** (2013.01)

Citation (search report)

- [A] DE 102017102552 A1 20180809 - CG RAIL CHINESISCH DEUTSCHES FORSCHUNGS UND ENTW FUER BAHN UND VERKEHRSTECHNIK DRESDEN GMBH [DE], et al
- [A] CN 107856688 A 20180330 - CRRC CHANGCHUN RAILWAY VEHICLES CO LTD
- [AD] WO 2012046458 A1 20120412 - MITSUBISHI HEAVY IND LTD [JP], et al
- [AD] EP 1057574 A2 20001206 - HITACHI LTD [JP]
- [A] EP 1839989 A2 20071003 - HITACHI LTD [JP]
- [A] JP 2005231481 A 20050902 - KAWASAKI HEAVY IND LTD
- [AD] CN 107893170 A 20180410 - UNIV JIANGSU, et al

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