

Title (en)

LARGE COMPONENT FOR RAIL VEHICLES

Title (de)

GROSSKOMPONENTE FÜR SCHIENENFAHRZEUGE

Title (fr)

ÉLÉMENT DE GRANDE TAILLE POUR VÉHICULES FERROVIAIRES

Publication

EP 2483123 A1 20120808 (DE)

Application

EP 09783577 A 20090930

Priority

EP 2009062655 W 20090930

Abstract (en)

[origin: WO2011038755A1] The invention relates to a large component for rail vehicles, especially for side panels, comprising a roof arch side panel constituted of longitudinal girders (1) and transverse girders (2) and a planking (4), wherein the connection points between the longitudinal girders (1) and the transverse girders (2) can be automatically welded and the entire surface of the large component can be rust-proofed.

IPC 8 full level

B61D 17/04 (2006.01); **B61D 17/08** (2006.01); **B61D 17/12** (2006.01); **B62D 27/02** (2006.01)

CPC (source: EP)

B61D 17/043 (2013.01); **B61D 17/045** (2013.01); **B61D 17/08** (2013.01); **B61D 17/12** (2013.01)

Citation (search report)

See references of WO 2011038755A1

Cited by

CN110901767A; EP3369638A1

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO SE SI SK SM TR

DOCDB simple family (publication)

WO 2011038755 A1 20110407; EP 2483123 A1 20120808; EP 2483123 B1 20141231; PL 2483123 T3 20150529

DOCDB simple family (application)

EP 2009062655 W 20090930; EP 09783577 A 20090930; PL 09783577 T 20090930