

Title (en)

SEMI-FINISHED PRODUCT HAVING FUNCTIONAL ELEMENTS FOR COMPONENTS, COMPONENT MADE FROM SAID SEMI-FINISHED PRODUCT, AND METHOD FOR THE COMPONENT PRODUCTION

Title (de)

HALBZEUG MIT FUNKTIONSELEMENTEN FÜR BAUTEILE, BAUTEIL AUS DIESEM HALBZEUG SOWIE VERFAHREN FÜR DIE BAUTEILHERSTELLUNG

Title (fr)

DEMI-PRODUIT DOTÉ D'ÉLÉMENTS FONCTIONNELS POUR ÉLÉMENTS STRUCTURAUX, ÉLÉMENT STRUCTURAL CONSTITUÉ DE CE DEMI-PRODUIT ET PROCÉDÉ DE FABRICATION D'ÉLÉMENTS STRUCTURAUX

Publication

EP 3519119 A1 20190807 (DE)

Application

EP 17772396 A 20170922

Priority

- DE 102016218596 A 20160927
- EP 2017074046 W 20170922

Abstract (en)

[origin: WO2018060084A1] The invention relates to a semi-finished product for producing a three-dimensional component having a metallic base plate which has at least one predefined bending line, characterized in that functional elements are provided on the base plate in the region of a bending line, on both sides of the bending line, said functional elements making contact with one another when the base plate is reshaped along the bending line and permitting a connection. The invention further relates to a method for producing three-dimensional components from said semi-finished product and to said component.

IPC 8 full level

B21D 11/08 (2006.01); **B21D 51/52** (2006.01); **B32B 15/04** (2006.01); **F16B 5/07** (2006.01)

CPC (source: EP US)

B21D 11/08 (2013.01 - EP US); **B32B 15/04** (2013.01 - EP US); **F16B 5/0614** (2013.01 - EP US); **F16B 5/07** (2013.01 - EP US); **F16B 11/006** (2013.01 - EP US); **B21D 51/52** (2013.01 - EP US)

Citation (search report)

See references of WO 2018060084A1

Designated contracting state (EPC)

AL 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 RS SE SI SK SM TR

Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

DE 102016218596 B3 20180111; CN 109715309 A 20190503; CN 109715309 B 20201127; EP 3519119 A1 20190807; JP 2019530600 A 20191024; JP 6802385 B2 20201216; US 2019226510 A1 20190725; WO 2018060084 A1 20180405

DOCDB simple family (application)

DE 102016218596 A 20160927; CN 201780056686 A 20170922; EP 17772396 A 20170922; EP 2017074046 W 20170922; JP 2019537870 A 20170922; US 201716332071 A 20170922