

Title (en)

METHOD AND INSTALLATION FOR PRODUCING A FIBER PLASTIC COMPOSITE COMPONENT USING SUB-PREFORMS

Title (de)

VERFAHREN UND ANLAGE ZUR HERSTELLUNG EINES FASERKUNSTSTOFFVERBUNDBAUTEILS UNTER VERWENDUNG VON SUB-PREFORMS

Title (fr)

PROCÉDÉ ET INSTALLATION POUR LA FABRICATION D'UNE PIÈCE EN COMPOSITE PLASTIQUE RENFORCÉ DE FIBRES AU MOYEN DE SOUS-PRÉFORMES

Publication

EP 3471938 A1 20190424 (DE)

Application

EP 17727115 A 20170515

Priority

- DE 102016210891 A 20160617
- EP 2017061553 W 20170515

Abstract (en)

[origin: WO2017215857A1] The invention relates to a method for producing a fiber plastic composite component (100), in particular for the chassis of a motor vehicle, comprising the steps of: - creating a load-adapted multi-layered preform structure (200) from prefabricated multi-layered sub-preforms (210, 220), and - consolidating the preform structure (200) in a shaping tool. The invention further relates to an installation suitable for carrying out the method.

IPC 8 full level

B29B 11/16 (2006.01); **B29C 70/34** (2006.01); **B29C 70/48** (2006.01); **B29C 70/54** (2006.01); **B60G 7/00** (2006.01); **B29K 101/10** (2006.01); **B29K 101/12** (2006.01)

CPC (source: EP US)

B29B 11/16 (2013.01 - EP US); **B29C 70/345** (2013.01 - EP US); **B29C 70/543** (2013.01 - EP US); **B60G 7/001** (2013.01 - EP US); **B60G 11/08** (2013.01 - EP US); **B29B 11/08** (2013.01 - US); **B29C 70/48** (2013.01 - EP US); **B29K 2101/10** (2013.01 - EP US); **B29K 2101/12** (2013.01 - EP US); **B60G 2202/114** (2013.01 - EP US); **B60G 2206/124** (2013.01 - EP US); **B60G 2206/428** (2013.01 - EP US); **B60G 2206/7101** (2013.01 - EP US); **B60G 2206/80** (2013.01 - EP US)

Citation (search report)

See references of WO 2017215857A1

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 102016210891 A1 20171221; CN 109311185 A 20190205; EP 3471938 A1 20190424; US 2019160903 A1 20190530; WO 2017215857 A1 20171221

DOCDB simple family (application)

DE 102016210891 A 20160617; CN 201780036760 A 20170515; EP 17727115 A 20170515; EP 2017061553 W 20170515; US 201716309403 A 20170515