

Title (en)

METHOD AND APPARATUS WITH RELIEF DRUM FOR PRODUCING A CORE FOR A COMPOSITE STRUCTURAL PANEL

Title (de)

VERFAHREN UND VORRICHTUNG MIT RELIEFTROMMEL ZUR HERSTELLUNG EINES KERNS FÜR EINE SANDWICHPLATTE

Title (fr)

PROCÉDÉ ET APPAREIL DOTÉ D'UN TAMBOUR PRÉSENTANT DES PARTIES EN RELIEF PERMETTANT DE PRODUIRE UNE PARTIE CENTRALE POUR UN PANNEAU STRUCTUREL COMPOSITE

Publication

**EP 2729294 A1 20140514 (EN)**

Application

**EP 11869427 A 20110708**

Priority

RU 2011000498 W 20110708

Abstract (en)

[origin: WO2013009203A1] The invention is pertaining to the field of the methods of production of corrugated constructions with a folded structure used in the capacity of a filler of multilayered panels. A method for producing a core for a composite structural panel, said method comprising the following steps: feeding prepreg in the form of sheet material (1) to a smooth shaping surface formed by a casing (3) of a substantially cylindrical shape, said casing provided with a plurality of similar flat rigid plates arranged in the form of parallelograms jointly coupled at their sides; providing adhesion of said sheet material (1) to the shaping surface; pressing said sheet material against said shaping surface; deforming the shaping surface by mutual movement of said flat rigid plates in the casing (3) together with turning simultaneously said relief drum (2) around its axis; and removing the molded core. The subject-matters of the invention include also an apparatus for producing a core for a composite structural panel as well as a relief drum included into this apparatus and comprising said shaping surface.

IPC 8 full level

**B29C 59/06** (2006.01); **B29C 53/24** (2006.01); **B29C 59/04** (2006.01); **B29C 70/30** (2006.01); **B29D 24/00** (2006.01)

CPC (source: EP US)

**B29C 53/24** (2013.01 - EP); **B29C 59/04** (2013.01 - EP US); **B29C 70/30** (2013.01 - EP US); **B29D 24/004** (2013.01 - EP)

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

DOCDB simple family (publication)

**WO 2013009203 A1 20130117**; EP 2729294 A1 20140514; EP 2729294 A4 20150318; JP 2014520685 A 20140825; RU 2014102009 A 20150820; RU 2561973 C1 20150910

DOCDB simple family (application)

**RU 2011000498 W 20110708**; EP 11869427 A 20110708; JP 2014518477 A 20110708; RU 2014102009 A 20110708