

Title (en)  
SEMIFINISHED PRODUCT FOR THE PRODUCTION OF FIBRE COMPOSITE COMPONENTS BASED ON STABLE POLYURETHANE COMPOSITIONS

Title (de)  
HALBZEUG FÜR DIE HERSTELLUNG VON FASERVERBUNDBAUTEILEN AUF BASIS VON LAGERSTABILEN POLYURETHANZUSAMMENSETZUNGEN

Title (fr)  
DEMI-PRODUIT POUR LA FABRICATION D'ÉLÉMENTS COMPOSITES RENFORCÉS PAR DES FIBRES SUR LA BASE DE COMPOSÉS DE POLYURÉTHANNE STABLES PENDANT LE STOCKAGE

Publication  
**EP 2582516 A1 20130424 (DE)**

Application  
**EP 11721759 A 20110518**

Priority  
• DE 102010030233 A 20100617  
• EP 2011058055 W 20110518

Abstract (en)  
[origin: CA2799340A1] The invention relates to a semifinished product for the production of fibre composite components, comprising at least two walls of fibre-filled matrix material, which are angled in a meandering manner and are thermally joined to one another to form a symmetrical core structure. The invention addresses the problem of providing a semifinished product which is suitable as a core structure for a fibre composite component in sheet form that has better draping qualities as a result of the not yet cured matrix, but at the same time is sufficiently stable in terms of its shape and composition that it can be easily handled. This problem is solved by using as the matrix material a polyurethane composition which contains as a binder a polymer having functional groups that are reactive with respect isocyanates and contains as a hardener diisocyanate or polyisocyanate that is blocked internally and/or by blocking agents.

IPC 8 full level  
**B32B 3/12** (2006.01); **B32B 3/28** (2006.01); **B32B 5/02** (2006.01); **B32B 27/40** (2006.01)

CPC (source: EP KR US)  
**B29B 15/12** (2013.01 - EP US); **B29C 37/0067** (2013.01 - EP US); **B29C 70/50** (2013.01 - EP US); **B29D 99/0089** (2013.01 - EP US); **B32B 3/12** (2013.01 - EP KR US); **B32B 3/28** (2013.01 - EP KR US); **B32B 5/02** (2013.01 - KR); **B32B 5/022** (2013.01 - EP US); **B32B 5/024** (2013.01 - EP US); **B32B 5/26** (2013.01 - EP US); **B32B 5/28** (2013.01 - EP US); **B32B 17/04** (2013.01 - EP US); **B32B 27/40** (2013.01 - KR US); **B32B 37/146** (2013.01 - EP US); **C08J 5/244** (2021.05 - EP KR US); **C08J 5/249** (2021.05 - EP KR US); **B29C 53/24** (2013.01 - EP US); **B29K 2075/00** (2013.01 - EP US); **B29K 2309/08** (2013.01 - EP US); **B32B 2260/023** (2013.01 - EP US); **B32B 2260/046** (2013.01 - EP US); **B32B 2262/101** (2013.01 - EP US); **B32B 2305/076** (2013.01 - EP US); **B32B 2305/188** (2013.01 - EP US); **B32B 2305/20** (2013.01 - EP US); **B32B 2375/00** (2013.01 - EP US); **C08J 2375/04** (2013.01 - EP US); **Y10T 428/24149** (2015.01 - EP US)

Citation (search report)  
See references of WO 2011157507A1

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)  
**DE 102010030233 A1 20111222**; AU 2011267319 A1 20121213; AU 2011267319 B2 20140605; BR 112012030303 A2 20160809; CA 2799340 A1 20111222; CN 102933384 A 20130213; EP 2582516 A1 20130424; JP 2013530280 A 20130725; KR 20130113947 A 20131016; MX 2012013547 A 20130124; MY 153324 A 20150129; RU 2013101967 A 20140727; US 2013078417 A1 20130328; WO 2011157507 A1 20111222; ZA 201209546 B 20130828

DOCDB simple family (application)  
**DE 102010030233 A 20100617**; AU 2011267319 A 20110518; BR 112012030303 A 20110518; CA 2799340 A 20110518; CN 201180029848 A 20110518; EP 11721759 A 20110518; EP 2011058055 W 20110518; JP 2013514614 A 20110518; KR 20127032825 A 20110518; MX 2012013547 A 20110518; MY PI2012005383 A 20110518; RU 2013101967 A 20110518; US 201113700734 A 20110518; ZA 201209546 A 20121214