

Title (en)

USE OF A COMPOSITE MATERIAL BASED ON A ONE COMPONENT POLYURETHANE ADHESIVE

Title (de)

VERWENDUNG EINES VERBUNDWERKSTOFFES AUF BASIS EINES EINKOMPONENTEN-POLYURETHANKLEBSTOFFES

Title (fr)

UTILISATION D'UN MATÉRIAU COMPOSITE À BASE DE COLLE POLYURÉTHANE MONOCOMPOSANT

Publication

EP 2424726 A1 20120307 (DE)

Application

EP 10715826 A 20100426

Priority

- EP 2010055503 W 20100426
- EP 09159168 A 20090430
- EP 10715826 A 20100426

Abstract (en)

[origin: WO2010125012A1] The invention relates to the use of a composite material having two or more superimposed layers of wood as a support element in structural engineering, nautical, vehicle and aircraft constructions, energy production systems, mining or in the production of furniture. The wood layers are joined together by means of a one component polyurethane adhesive containing a prepolymer with free NCO groups and the wood has a structure having a volume fraction of libriform fibres of between 50 % - 70 %.

IPC 8 full level

B32B 7/12 (2006.01); **B27D 1/04** (2006.01); **B32B 21/04** (2006.01); **B32B 21/13** (2006.01); **B32B 21/14** (2006.01); **C08G 18/10** (2006.01); **C09J 175/04** (2006.01)

CPC (source: EP KR US)

B27D 1/04 (2013.01 - KR); **B32B 3/04** (2013.01 - EP US); **B32B 5/022** (2013.01 - EP US); **B32B 5/024** (2013.01 - EP US); **B32B 5/22** (2013.01 - EP US); **B32B 5/26** (2013.01 - EP US); **B32B 7/12** (2013.01 - EP KR US); **B32B 21/042** (2013.01 - EP US); **B32B 21/08** (2013.01 - EP US); **B32B 21/10** (2013.01 - EP US); **B32B 21/14** (2013.01 - EP KR US); **B32B 27/08** (2013.01 - EP US); **B32B 27/20** (2013.01 - EP US); **B32B 27/40** (2013.01 - EP US); **C08G 18/10** (2013.01 - EP US); **C09J 175/04** (2013.01 - EP KR US); **B32B 2262/0261** (2013.01 - EP US); **B32B 2262/06** (2013.01 - EP US); **B32B 2262/08** (2013.01 - EP US); **B32B 2262/10** (2013.01 - EP US); **B32B 2262/101** (2013.01 - EP US); **B32B 2307/50** (2013.01 - EP US); **B32B 2307/51** (2013.01 - EP US); **B32B 2307/72** (2013.01 - EP US); **B32B 2419/00** (2013.01 - EP US); **B32B 2419/06** (2013.01 - EP US); **B32B 2439/00** (2013.01 - EP US); **B32B 2471/00** (2013.01 - EP US); **B32B 2479/00** (2013.01 - EP US); **B32B 2605/08** (2013.01 - EP US); **B32B 2605/12** (2013.01 - EP US); **B32B 2607/00** (2013.01 - EP US); **Y10T 428/249959** (2015.04 - EP US); **Y10T 428/24996** (2015.04 - EP US); **Y10T 428/249965** (2015.04 - EP US); **Y10T 428/249984** (2015.04 - EP US); **Y10T 428/249985** (2015.04 - EP US); **Y10T 428/31591** (2015.04 - EP US)

Citation (search report)

See references of WO 2010125012A1

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 2010125012 A1 20101104; CA 2760402 A1 20101104; CN 102458829 A 20120516; CN 102458829 B 20160323; EP 2424726 A1 20120307; JP 2012525280 A 20121022; KR 20120023047 A 20120312; RU 2011148457 A 20130610; US 2012070671 A1 20120322; US 8557389 B2 20131015

DOCDB simple family (application)

EP 2010055503 W 20100426; CA 2760402 A 20100426; CN 201080028966 A 20100426; EP 10715826 A 20100426; JP 2012507701 A 20100426; KR 20117028727 A 20100426; RU 2011148457 A 20100426; US 201013318254 A 20100426