

Title (en)  
COMPOSITE MATERIAL AND STRUCTURAL COMPONENT FOR A MOTOR VEHICLE

Title (de)  
VERBUNDWERKSTOFF UND STRUKTURBAUTEIL FÜR EIN KRAFTFAHRZEUG

Title (fr)  
MATÉRIAU COMPOSITE ET ÉLÉMENT STRUCTURAL POUR UN VÉHICULE AUTOMOBILE

Publication  
**EP 2688743 A1 20140129 (DE)**

Application  
**EP 12710249 A 20120321**

Priority  
• DE 102011015071 A 20110324  
• EP 2012054940 W 20120321

Abstract (en)  
[origin: WO2012126923A1] The invention relates to a composite material (1, 6, 8, 10, 12, 14, 16, 18) in the form of a layer material made of flat layers that lie one over the other in order to produce a structural component (20), in particular for structural components (20) of a motor vehicle, comprising at least one metal layer (2, 3) and at least one fiber-reinforced plastic layer (4, 4', 7, 1, 13, 15). The aim of the invention is to reduce the weight and increase the strength of a structural component that is made of the composite material while reducing the component costs. This is achieved in that the fiber-reinforced plastic layer (4, 4', 7, 11, 13, 15) has a matrix based on polypropylene, polyethylene, polyamide, and/or mixtures thereof.

IPC 8 full level  
**B32B 5/02** (2006.01); **B32B 15/08** (2006.01); **B32B 15/14** (2006.01); **B32B 27/32** (2006.01); **B32B 27/34** (2006.01)

CPC (source: EP KR US)  
**B32B 5/02** (2013.01 - EP KR US); **B32B 15/08** (2013.01 - EP KR US); **B32B 15/14** (2013.01 - EP KR US); **B32B 27/06** (2013.01 - US); **B32B 27/08** (2013.01 - EP US); **B32B 27/12** (2013.01 - EP US); **B32B 27/20** (2013.01 - EP US); **B32B 27/32** (2013.01 - EP KR US); **B32B 27/34** (2013.01 - EP KR US); **B32B 27/36** (2013.01 - EP US); **B32B 27/38** (2013.01 - EP US); **B32B 27/40** (2013.01 - EP US); **C08J 5/04** (2013.01 - EP US); **C08J 5/12** (2013.01 - EP US); **B32B 2250/40** (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 2307/558** (2013.01 - EP US); **B32B 2307/718** (2013.01 - EP US); **B32B 2605/00** (2013.01 - EP US); **B32B 2605/08** (2013.01 - EP US); **C08J 2323/04** (2013.01 - EP US); **C08J 2323/10** (2013.01 - EP US); **C08J 2363/00** (2013.01 - EP US); **C08J 2367/06** (2013.01 - EP US); **C08J 2375/04** (2013.01 - EP US); **C08J 2377/00** (2013.01 - EP US); **Y10T 428/24331** (2015.01 - EP US); **Y10T 428/24612** (2015.01 - EP US); **Y10T 428/24942** (2015.01 - EP US); **Y10T 428/249921** (2015.04 - EP US); **Y10T 428/26** (2015.01 - EP US); **Y10T 442/3415** (2015.04 - EP US); **Y10T 442/475** (2015.04 - EP US)

Citation (search report)  
See references of WO 2012126923A1

Citation (examination)  
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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 102011015071 A1 20120927**; CN 103619578 A 20140305; EP 2688743 A1 20140129; JP 2014509971 A 20140424; JP 6189285 B2 20170830; KR 20140016952 A 20140210; US 2014178633 A1 20140626; WO 2012126923 A1 20120927

DOCDB simple family (application)  
**DE 102011015071 A 20110324**; CN 201280014909 A 20120321; EP 12710249 A 20120321; EP 2012054940 W 20120321; JP 2014500359 A 20120321; KR 20137027974 A 20120321; US 201214006178 A 20120321