

Title (en)

METHOD FOR THE PRODUCTION OF A FIBER COMPOSITE COMPRISING A METALLIC MATRIX

Title (de)

VERFAHREN ZUR HERSTELLUNG VON EINEM FASERVERBUNDWERKSTOFF MIT METALLISCHER MATRIX

Title (fr)

PROCÉDÉ DE FABRICATION DU MATÉRIAU COMPOSITE RENFORCÉ PAR DES FIBRES ET À MATRICE MÉTALLIQUE

Publication

EP 2113036 A2 20091104 (DE)

Application

EP 08706752 A 20080112

Priority

- DE 2008000055 W 20080112
- DE 102007004531 A 20070124

Abstract (en)

[origin: CA2676731A1] The invention relates to a fiber composite comprising a metallic matrix as well as a method for producing the same. A fiber material composed of single fibers (1) is embedded in a metallic matrix formed by a metallizing layer (2) that surrounds the fiber (1) and a metallic final layer (4) which is applied to the metallizing layer (2). In addition, a metallic adhesive layer (3) can be provided between the metallizing layer (2) and the metallic final layer (4). The metallic final layer (4) can be formed by means of one or several applications and can be machined using any mechanical machining processes.

IPC 8 full level

C22C 47/00 (2006.01)

CPC (source: EP US)

C22C 47/04 (2013.01 - EP US); **C22C 47/062** (2013.01 - EP US); **Y10T 428/249927** (2015.04 - EP US)

Citation (search report)

See references of WO 2008089722A2

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 MT NL NO PL PT RO SE SI SK TR

DOCDB simple family (publication)

DE 102007004531 A1 20080731; BR PI0807808 A2 20140617; CA 2676731 A1 20080731; CA 2676731 C 20130813; CN 101636516 A 20100127; CN 101636516 B 20111214; EP 2113036 A2 20091104; EP 2113036 B1 20141008; JP 2010516504 A 20100520; JP 5535649 B2 20140702; RU 2009131843 A 20110227; RU 2465364 C2 20121027; US 2010092751 A1 20100415; WO 2008089722 A2 20080731; WO 2008089722 A3 20081204

DOCDB simple family (application)

DE 102007004531 A 20070124; BR PI0807808 A 20080112; CA 2676731 A 20080112; CN 200880003001 A 20080112; DE 2008000055 W 20080112; EP 08706752 A 20080112; JP 2009546643 A 20080112; RU 2009131843 A 20080112; US 52440808 A 20080112