

Title (en)
COMPOSITE MATERIAL, COMPOSITE MATERIAL PRODUCT, METHODS FOR PRODUCING SAID COMPOSITE MATERIAL AND COMPOSITE MATERIAL PRODUCT, AND USES THEREFOR

Title (de)
VERBUNDWERKSTOFF, VERBUNDWERKSTOFFPRODUKT, VERFAHREN ZU DEREN HERSTELLUNG UND VERWENDUNGEN DAFÜR

Title (fr)
MATÉRIAU COMPOSITE, PRODUIT EN MATÉRIAU COMPOSITE, PROCÉDÉ DE PRODUCTION ET UTILISATION

Publication
EP 3218142 A1 20170920 (DE)

Application
EP 15794835 A 20151026

Priority
• DE 102014116335 A 20141110
• EP 2015074750 W 20151026

Abstract (en)
[origin: WO2016074915A1] The invention relates to a method for producing a composite material (16, 40, 42, 44, 46), wherein an aluminum coating (4, 52) is bonded to a metal substrate (6, 50) by plating, adhesive bonding, and/or planar soldering and wherein the aluminum coating (4, 52) bonded to the metal substrate (6, 50) is anodized. The invention further relates to a composite material (16, 40, 42, 44, 46) having a metal substrate (6, 50) and an aluminum coating (4, 52), which is bonded to the metal substrate (6, 50) by plating, adhesive bonding, and/or planar soldering and is anodized after the bonding. The invention further relates to a composite material product, in particular in the form of a structural element and/or lining element, composed of the previously described composite material (16, 40, 42, 44, 46) and to uses for the composite material (16, 40, 42, 44, 46) or the composite material product.

IPC 8 full level
B23K 35/02 (2006.01); **B23K 20/227** (2006.01); **B32B 15/01** (2006.01); **B32B 15/18** (2006.01); **B32B 15/20** (2006.01); **C25D 11/04** (2006.01)

CPC (source: CN EP)
B23K 1/19 (2013.01 - EP); **B23K 35/0233** (2013.01 - CN EP); **B32B 5/147** (2013.01 - CN EP); **B32B 7/12** (2013.01 - CN EP); **B32B 15/012** (2013.01 - EP); **B32B 15/017** (2013.01 - CN EP); **B32B 15/043** (2013.01 - CN EP); **B32B 15/18** (2013.01 - CN); **B32B 15/20** (2013.01 - CN EP); **C25D 11/04** (2013.01 - CN EP); **C25D 11/24** (2013.01 - CN); **C25D 11/246** (2013.01 - CN); **B23K 2103/20** (2018.07 - EP); **B32B 15/18** (2013.01 - EP); **B32B 2307/3065** (2013.01 - CN EP); **B32B 2307/402** (2013.01 - CN EP); **B32B 2307/50** (2013.01 - CN EP); **B32B 2307/584** (2013.01 - CN EP); **B32B 2307/71** (2013.01 - CN EP); **B32B 2307/712** (2013.01 - CN EP); **B32B 2307/714** (2013.01 - CN EP); **B32B 2419/00** (2013.01 - CN EP); **B32B 2605/08** (2013.01 - CN EP); **B32B 2605/12** (2013.01 - CN EP); **C25D 11/24** (2013.01 - EP); **C25D 11/246** (2013.01 - EP)

Citation (search report)
See references of WO 2016074915A1

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

Designated extension state (EPC)
BA ME

DOCDB simple family (publication)
DE 102014116335 A1 20160512; CN 107107534 A 20170829; EP 3218142 A1 20170920; WO 2016074915 A1 20160519

DOCDB simple family (application)
DE 102014116335 A 20141110; CN 201580061073 A 20151026; EP 15794835 A 20151026; EP 2015074750 W 20151026