

Title (en)

METHOD FOR PRODUCING A COMPOSITE BODY HAVING A SELF-SUPPORTING SURFACE

Title (de)

VERFAHREN ZUR HERSTELLUNG EINES VERBUNDKÖRPERS MIT EINER FREITRAGENDEN FLÄCHE

Title (fr)

PROCÉDÉ DE PRODUCTION D'UN CORPS COMPOSITE À SURFACE À PORTÉE LIBRE

Publication

EP 2539491 B1 20140305 (DE)

Application

EP 09802115 A 20091229

Priority

EP 2009009301 W 20091229

Abstract (en)

[origin: WO2011079850A1] The invention relates to a method for producing a composite body (100) made of at least one self-supporting surface (30) and at least one element (20, 20a, 20b, 20c) connected to the surface (30) in a coating process, wherein the following steps are performed: (a) providing a negative mold (10) comprising the at least one element (20, 20a, 20b, 20c) of the composite body (100), (b) selectively ablating a surface (18) of the negative mold (10) to be coated with the at least one self-supporting surface (30) by a defined first thickness (d14) so that the at least one element (20, 20a, 20b, 20c) stands out from the surface (18) as a projection (22) at least in areas, (c) depositing one or more layers (32, 36) for forming the at least one self-supporting surface (30) having a defined second thickness (d32, d36), wherein an elevation (38) forms in the area of the projection (22) of the at least one element (20, 20a, 20b, 20c), (d) leveling the coated surface (40), wherein the elevation (38) is removed, (e) selectively removing at least parts (10a, 10b, 10c, 10d) of the negative mold.

IPC 8 full level

C25D 1/02 (2006.01); **C25D 1/04** (2006.01); **C25D 1/10** (2006.01); **C25D 5/10** (2006.01); **C25D 5/48** (2006.01)

CPC (source: EP US)

C25D 1/00 (2013.01 - EP); **C25D 1/02** (2013.01 - EP US); **C25D 1/04** (2013.01 - EP US); **C25D 1/10** (2013.01 - EP US);
C25D 5/48 (2013.01 - EP US)

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 2011079850 A1 20110707; DE 112009005487 A5 20121004; EP 2539491 A1 20130102; EP 2539491 B1 20140305;
US 2012255931 A1 20121011; US 8741163 B2 20140603

DOCDB simple family (application)

EP 2009009301 W 20091229; DE 112009005487 T 20091229; EP 09802115 A 20091229; US 200913517930 A 20091229