

Title (en)
METHOD FOR THE STRUCTURAL BONDING OF STRUCTURAL COMPONENTS, AND TEXTURED-SURFACE INSERT FOR IMPLEMENTING SAID METHOD

Title (de)
VERFAHREN ZUM STRUKTURELLEN VERBINDEN VON BAUTEILEN UND TEXTUROBERFLÄCHENEINSATZ ZUR DURCHFÜHRUNG DES VERFAHRENS

Title (fr)
PROCEDE DE COLLAGE STRUCTURAL DE PIECES DE STRUCTURE ET INSERT DE SURFACE TEXTUREE POUR LA MISE EN OEUVRE DUDIT PROCEDE

Publication
EP 3700740 A1 20200902 (FR)

Application
EP 18796858 A 20181022

Priority
• FR 1759955 A 20171023
• EP 2018078921 W 20181022

Abstract (en)
[origin: WO2019081441A1] The present invention relates to a method for structural bonding between a first structural component made of composite material (1) and a second structural component made of composite material (1) or metal (2), wherein, prior to the bonding operation, the surface of the junction region (3, 4) of the two structural components made of composite material (1) in a composite/composite assembly or at least of the structural component made of composite material (1) in a composite/metal assembly is textured by adding material in order to increase the specific surface area of said structural components (1) in the junction region thereof. Thus, during the bonding operation, when the structural components (1, 2) are pressed together, said junction regions (3, 4) interpenetrate and are connected intimately together with said glued joint in order to enhance the mechanical anchoring of said regions.

IPC 8 full level
B29C 65/48 (2006.01); **B29C 33/00** (2006.01); **B29C 65/50** (2006.01); **B29L 31/30** (2006.01)

CPC (source: EP)
B29C 33/0044 (2013.01); **B29C 65/48** (2013.01); **B29C 65/5028** (2013.01); **B29C 65/5057** (2013.01); **B29C 66/022** (2013.01); **B29C 66/112** (2013.01); **B29C 66/131** (2013.01); **B29C 66/301** (2013.01); **B29C 66/30341** (2013.01); **B29C 66/524** (2013.01); **B29C 66/532** (2013.01); **B29C 66/61** (2013.01); **B29C 66/721** (2013.01); **B29C 66/742** (2013.01); **B29C 65/4835** (2013.01); **B29C 65/5014** (2013.01); **B29L 2031/30** (2013.01); **B29L 2031/3076** (2013.01); **B29L 2031/3097** (2013.01)

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)
FR 3072604 A1 20190426; **FR 3072604 B1 20201120**; EP 3700740 A1 20200902; WO 2019081441 A1 20190502

DOCDB simple family (application)
FR 1759955 A 20171023; EP 18796858 A 20181022; EP 2018078921 W 20181022