

Title (en)
METHOD AND DEVICE FOR PRODUCING A CURVED SECTION MADE FROM COMPOSITE MATERIAL AND RESULTING SECTION

Title (de)
VERFAHREN UND VORRICHTUNG ZUR HERSTELLUNG EINES GEKRÜMMTEN TEILSTÜCKES AUS EINEM VERBUNDWERKSTOFF UND AUF DIESE WEISE HERGESTELLTES TEILSTÜCK

Title (fr)
PROCÉDÉ ET DISPOSITIF DE RÉALISATION D'UN PROFIL COURBE EN MATÉRIAU COMPOSITE, ET PROFIL CORRESPONDANT

Publication
EP 2262634 A2 20101222 (FR)

Application
EP 09722505 A 20090305

Priority
• FR 2009050357 W 20090305
• FR 0801261 A 20080307

Abstract (en)
[origin: WO2009115734A2] The invention relates to a method and device for producing a curved section made from composite material and to the resulting section (63), in which the section is made from at least one composite band (11) extending along a longitudinal axis. The band is formed by stacking at least two laps of unidirectional reinforcing fibres (4, 5, 6) disposed along particular orientations. The band is draped over a jig (34, 73) having an essentially elongated planar or substantially planar application face (36) with a determined configuration corresponding to that of the desired section and extending about a reference line, and the band is applied progressively and deformed simultaneously along the reference line, so that, in the part(s) having a non-zero radius of curvature, the fibres fan out progressively in the application plane.

IPC 1-7
B29D 31/00

IPC 8 full level
B29C 70/20 (2006.01); **B29C 70/34** (2006.01); **B29C 70/44** (2006.01); **B29D 99/00** (2010.01); **B64C 1/06** (2006.01)

CPC (source: EP US)
B29C 70/202 (2013.01 - EP US); **B29C 70/207** (2013.01 - EP US); **B29C 70/342** (2013.01 - EP US); **B29C 70/446** (2013.01 - EP US); **B29D 99/0003** (2013.01 - EP US); **B29L 2031/003** (2013.01 - EP US); **B29L 2031/3082** (2013.01 - EP US); **Y02T 50/40** (2013.01 - EP US); **Y10T 29/49801** (2015.01 - EP US); **Y10T 156/17** (2015.01 - EP US); **Y10T 428/24074** (2015.01 - EP US); **Y10T 428/24116** (2015.01 - EP US); **Y10T 428/24628** (2015.01 - EP US)

Citation (search report)
See references of WO 2009115734A2

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 TR

Designated extension state (EPC)
AL BA RS

DOCDB simple family (publication)
FR 2928294 A1 20090911; **FR 2928294 B1 20161230**; CN 102006986 A 20110406; CN 102006986 B 20140108; EP 2262634 A2 20101222; US 2011086199 A1 20110414; WO 2009115734 A2 20090924; WO 2009115734 A3 20100729

DOCDB simple family (application)
FR 0801261 A 20080307; CN 200980113385 A 20090305; EP 09722505 A 20090305; FR 2009050357 W 20090305; US 92092209 A 20090305