

Title (en)

FIBER REINFORCED REBAR WITH SHAPED SECTIONS AND A CONCRETE PANEL INCLUDING THE SHAPED REBAR SECTIONS

Title (de)

FASERVERSTÄRKTER BEWEHRUNGSSTAB MIT GEFORMTEN ABSCHNITTEN UND BETONPLATTE MIT DEN GEFORMTEN BEWEHRUNGSSTABABSCHNITTEN

Title (fr)

BARRE D'ARMATURE À RENFORT DE FIBRES FAÇONNÉE ET PANNEAU DE BÉTON COMPRENANT LES PARTIES DE BARRES D'ARMATURE FAÇONNÉES

Publication

EP 2675607 A4 20161019 (EN)

Application

EP 11858687 A 20111229

Priority

- CA 2731343 A 20110214
- CA 2011050813 W 20111229

Abstract (en)

[origin: CA2731343A1] A composite reinforcing bar is formed by providing a reinforcing material supply of fiber strands rovings; a resin supply bath, and a puller for pulling the resin-impregnated reinforcing material through the resin bath. The material is wound on a holder, while the resin remains unset, rotated about its axis on a drive system so that the material is wrapped around a plurality of bars at spaced positions around the axis such that the fed length of the body is wrapped from one bar to the next to form bent portions of the body wrapped partly around each bar and straight portions between the bars. Each bar has angularly grooves which are shaped to mold the bent portions to a required bent shape. The holder is indexed along its axis and removed when full for curing the resin on the holder while the body remains wrapped thereon.

IPC 8 full level

B29C 53/56 (2006.01); **E04C 5/07** (2006.01); **E04C 5/20** (2006.01); **B29C 53/80** (2006.01)

CPC (source: EP)

B29C 53/564 (2013.01); **E04C 5/07** (2013.01); **E04C 5/20** (2013.01); **B29C 53/8066** (2013.01)

Citation (search report)

- [XAI] JP H06297591 A 19941025 - KOMATSU MFG CO LTD
- [A] WO 2004113638 A1 20041229 - SPILKA IND AS [NO], et al
- [A] WO 2010139045 A1 20101209 - BRANDSTROM RANDEL [CA]
- See references of WO 2012109726A1

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

DOCDB simple family (publication)

CA 2731343 A1 20110425; **CA 2731343 C 20111011**; CN 103459125 A 20131218; CN 103459125 B 20150527; EP 2675607 A1 20131225; EP 2675607 A4 20161019; JP 2014509964 A 20140424; JP 5996557 B2 20160921; WO 2012109726 A1 20120823

DOCDB simple family (application)

CA 2731343 A 20110214; CA 2011050813 W 20111229; CN 201180069607 A 20111229; EP 11858687 A 20111229; JP 2013552801 A 20111229