

Title (en)

FLEXIBLE FIBER REINFORCED COMPOSITE REBAR

Title (de)

FLEXIBLER, FASERVERSTÄRKTER VERBUNDBEWEHRUNGSSTAB

Title (fr)

BARRE NERVURÉE COMPOSITE RENFORCÉE DE FIBRES FLEXIBLE

Publication

EP 2102434 A4 20091125 (EN)

Application

EP 07862985 A 20071214

Priority

- US 2007025711 W 20071214
- US 87482806 P 20061214
- US 95563707 A 20071213

Abstract (en)

[origin: US2008141614A1] A flexible fiber reinforced composite rebar structure includes a plurality of continuous fibers embedded within a thermoplastic resin. The rebar structure has an elliptical cross sectional shape with an aspect ratio of about two to one and a twist with a twist pitch of about 30 cm. The thermoplastic resin matrix enables the rebar structure to be bent in the field by the application of heat to soften the structure and thereafter cooled to return to a rigid state.

IPC 8 full level

E04H 12/00 (2006.01); **B29C 70/00** (2006.01)

CPC (source: EP US)

B29C 53/14 (2013.01 - EP US); **E04C 5/07** (2013.01 - EP US)

Citation (search report)

- [XY] US 6612085 B2 20030902 - EDWARDS CHRISTOPHER M [US], et al
- [X] US 5727357 A 19980317 - ARUMUGASAAMY PANCHADSARAM [US], et al
- [Y] FR 1068604 A 19540629
- [A] GB 611492 A 19481029 - JOHN LLOYD BANNISTER, et al
- [A] US 5650220 A 19970722 - GREENWOOD MARK E [US]
- See references of WO 2008076400A2

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC MT NL PL PT RO SE SI SK TR

DOCDB simple family (publication)

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