

Title (en)

Process and machine for the manufacture of a block-like reinforcement for a piece of composite material

Title (de)

Verfahren und Maschine für die Fabrikation einer blockförmigen Armierung für ein Teil aus Verbundmaterial

Title (fr)

Procédé et machine pour la réalisation d'une armature en forme de bloc pour une pièce de matière composite

Publication

**EP 0678604 B1 19970917 (FR)**

Application

**EP 95400731 A 19950403**

Priority

FR 9404583 A 19940418

Abstract (en)

[origin: EP0678604A1] The composite framework structure is a block (B) formed by a continuous succession of plates (30), to be embedded in a hardened matrix. Each plate has layers of filament grids overlaid in parallel in each layer and partially parallel and at an angle to other layers, held together by a locking filament (F1) which also holds the plates (30) together. <IMAGE>

IPC 1-7

**D03D 41/00**; **D04H 3/10**

IPC 8 full level

**B29B 11/16** (2006.01); **B32B 5/06** (2006.01); **B32B 5/26** (2006.01); **D03D 41/00** (2006.01); **D04H 13/00** (2006.01); **B29K 101/10** (2006.01); **B29K 105/08** (2006.01)

CPC (source: EP US)

**D03D 41/004** (2013.01 - EP US); **D04H 1/44** (2013.01 - EP US); **D04H 13/00** (2013.01 - EP US); **Y10T 428/24033** (2015.01 - EP US)

Cited by

EP1314542A1; FR2832739A1; FR2730247A1; US5772821A; US5833802A

Designated contracting state (EPC)

DE GB IT

DOCDB simple family (publication)

**EP 0678604 A1 19951025**; **EP 0678604 B1 19970917**; CA 2147038 A1 19951019; CA 2147038 C 19990427; DE 69500716 D1 19971023; DE 69500716 T2 19980219; FR 2718756 A1 19951020; FR 2718756 B1 19960614; JP 2598625 B2 19970409; JP H07290450 A 19951107; US 5667613 A 19970916

DOCDB simple family (application)

**EP 95400731 A 19950403**; CA 2147038 A 19950413; DE 69500716 T 19950403; FR 9404583 A 19940418; JP 9088995 A 19950417; US 42155895 A 19950413