

Title (en)

Textile reinforcement for making layered structures and method for its manufacture.

Title (de)

Textilarmierung für die Herstellung von Schichtstrukturen und Verfahren zu deren Herstellung.

Title (fr)

Armature textile utilisable pour la réalisation de complexes stratifiés et procédé pour son obtention.

Publication

EP 0516560 A1 19921202 (FR)

Application

EP 92420164 A 19920520

Priority

FR 9106689 A 19910530

Abstract (en)

Textile reinforcement (1) which can be employed for the production of laminated composites, taking the form of a flat tape, of very great lengths (L) in relation to its width (l), and comprising at least three series of yarns oriented differently in relation to each other, two series (1a, 1b) being arranged slantwise inversely one to the other in relation to the length of the tape, and the yarns (2) of the third series being, for their part, arranged parallel to the length (L). It is characterised in that the yarns (1a, 1b) arranged slantwise consist of a tubular, flattened braid which surrounds and covers a sheet of specified width (l) comprising at least one series of yarns (2) arranged lengthwise and whose support is ensured by a thermofusible material (3) exhibiting hot-melt adhesive properties also ensuring the bonding of the two-directional outer layers to the one-directional inner structure.
<IMAGE>

IPC 1-7

D04C 1/06

IPC 8 full level

D04C 1/06 (2006.01)

CPC (source: EP)

D04C 1/06 (2013.01); **D10B 2401/041** (2013.01); **D10B 2403/02411** (2013.01); **D10B 2403/0243** (2013.01); **D10B 2505/02** (2013.01)

Citation (search report)

- [YD] FR 2379376 A1 19780901 - TECH VERRE TISSE [FR]
- [XD] EP 0193478 A1 19860903 - CHOMARAT & CIE [FR]
- [A] EP 0327085 A1 19890809 - DU PONT [US]
- [A] FR 2378117 A1 19780818 - OSCHATZ GLASSEIDE VEB [DD]
- [A] EP 0033244 A2 19810805 - SMITH H R
- [AD] FR 2462266 A1 19810213 - TECH VERRE TISSE [FR]

Cited by

CN108221169A; CN104831470A; CN109715873A; US10398042B2; US10864686B2; US11518138B2

Designated contracting state (EPC)

AT BE DE GB IT

DOCDB simple family (publication)

EP 0516560 A1 19921202; FR 2677047 A1 19921204

DOCDB simple family (application)

EP 92420164 A 19920520; FR 9106689 A 19910530