

Title (en)
MULTIAXIAL THREE-DIMENSIONAL FABRIC AND PROCESS FOR ITS MANUFACTURE

Title (de)
MEHRACHSIGES DREIDIMENSIONALES GEWEBE UND HERSTELLUNGSVERFAHREN DAZU

Title (fr)
TISSU TRIDIMENSIONNEL MULTIAXIAL ET SON PROCEDE DE FABRICATION

Publication
EP 0687315 A1 19951220 (FR)

Application
EP 94908392 A 19940301

Priority
• FR 9400230 W 19940301
• FR 9302668 A 19930303

Abstract (en)
[origin: WO9420658A1] Three-dimensional fabric with oblique reinforcements comprising warp yarns (1), weft yarns (2) and oblique yarns (3a, 3b). The warp yarns (1) form at least two layers and run over different layer planes, with none of these yarns linking the two outermost fabric layers. The weft yarns (2) comprise at least two layers, disposed in superimposed planes, and are interlaced and woven with the warp yarns (1). The oblique yarns (3a, 3b) are disposed in layers of parallel yarns, forming one or more pairs, the directions of each layer of oblique yarns of one pair being symmetrical with one another in relation to the longitudinal fabric direction, and forming a non-right angle in relation to said longitudinal direction. The layers of oblique yarns (3a, 3b) are covered with at least one layer of non-oblique yarns. Application in the production of reinforcing elements for composite materials.

IPC 1-7
D03D 25/00; **D03D 41/00**

IPC 8 full level
D03D 25/00 (2006.01); **D03D 41/00** (2006.01)

CPC (source: EP)
D03D 25/005 (2013.01); **D03D 41/004** (2013.01)

Citation (search report)
See references of WO 9420658A1

Cited by
CN106939462A; US11471736B2; US10857436B2

Designated contracting state (EPC)
CH DE ES GB IT LI NL SE

DOCDB simple family (publication)
WO 9420658 A1 19940915; AU 6144794 A 19940926; DE 69433132 D1 20031016; EP 0687315 A1 19951220; EP 0687315 B1 20030910; FR 2702222 A1 19940909; FR 2702222 B1 19950505

DOCDB simple family (application)
FR 9400230 W 19940301; AU 6144794 A 19940301; DE 69433132 T 19940301; EP 94908392 A 19940301; FR 9302668 A 19930303