

Title (en)
THREE-DIMENSIONAL FILET STITCH FABRIC WALL REINFORCEMENT

Title (de)
DREIDIMENSIONALE FILETWARE ALS WANDVERSTÄRKUNG

Title (fr)
RENFORT DE PAROI EN TRICOT TRIDIMENSIONNEL ET AJOURE

Publication
EP 1432859 B1 20080312 (FR)

Application
EP 02800633 A 20021004

Priority
• FR 0203397 W 20021004
• FR 0112998 A 20011005

Abstract (en)
[origin: US2005252569A1] The invention concerns a fabric made with biocompatible material filaments, shaped like an open-mesh unblocked weave forming, in the laps constituting, respectively the front (AV) and rear (AR) walls of the fabric, substantially polygonal cells providing the fabric at least in two perpendicular directions with substantially balanced dynamometric behaviour, said laps in the front and rear walls being linked by a bracing. The invention is characterized in that the bracing is provided by monofilaments of one of the laps forming one of the walls (AV and AR) of the reinforcement, each of said monofilaments forming, after a constant number of rows of meshes in its lap, a mesh (M) with one of the meshes (m 3) of one of the laps of the other wall (AR and AV) of the fabric.

IPC 8 full level
D04B 21/12 (2006.01); **D04B 21/14** (2006.01)

CPC (source: EP US)
D04B 21/12 (2013.01 - EP US); **D10B 2403/023** (2013.01 - EP US); **D10B 2509/08** (2013.01 - EP US)

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR IE IT LI LU MC NL PT SE SK TR

DOCDB simple family (publication)
US 2005252569 A1 20051117; US 7021086 B2 20060404; AT E389047 T1 20080315; DE 60225573 D1 20080424; DE 60225573 T2 20090402; EP 1432859 A1 20040630; EP 1432859 B1 20080312; ES 2302868 T3 20080801; FR 2830434 A1 20030411; FR 2830434 B1 20040102; JP 2005504900 A 20050217; JP 4339116 B2 20091007; WO 03031709 A1 20030417

DOCDB simple family (application)
US 48820304 A 20040316; AT 02800633 T 20021004; DE 60225573 T 20021004; EP 02800633 A 20021004; ES 02800633 T 20021004; FR 0112998 A 20011005; FR 0203397 W 20021004; JP 2003534669 A 20021004