

Title (en)
TEXTILE TWO OR THREE DIMENSIONAL FABRIC CONTAINING MATERIALS THAT ARE CAPABLE OF SWELLING

Title (de)
TEXTILE ZWEI- ODER DREIDIMENSIONALE GEBILDE ENTHALTEND QUELLFÄHIGE MATERIALIEN

Title (fr)
TEXTILES BIDIMENSIONNELS OU TRIDIMENSIONNELS CONTENANT DES MATERIAUX POUVANT GONFLER

Publication
EP 1831451 A1 20070912 (DE)

Application
EP 05823619 A 20051221

Priority
• EP 2005013762 W 20051221
• DE 102004063004 A 20041222

Abstract (en)
[origin: WO2006069689A1] The invention relates to a textile two or three dimensional fabric made of fibers and/or strips and materials that are capable of swelling, wherein the respective amounts of fibers and/or strips and materials, that are capable of swelling, contained in said fabric are such that the fibers and/or strips are enveloped by the materials that are capable of swelling and the cavities of the fabric in a swollen state are partially or fully filled with material-bonded water and aqueous emulsions of (co) polymers of at least one ethylenically unsaturated monomer MON are applied as materials, that are capable of swelling, to the fibers and/or strips.

IPC 8 full level
D06M 15/263 (2006.01); **D06N 3/04** (2006.01)

CPC (source: EP US)
D04B 21/165 (2013.01 - EP US); **D06M 15/21** (2013.01 - EP US); **D06M 15/233** (2013.01 - EP US); **D06M 15/263** (2013.01 - EP US);
D06M 15/356 (2013.01 - EP US); **D06N 3/04** (2013.01 - EP US); **D10B 2403/02421** (2013.01 - EP US); **Y10T 442/2484** (2015.04 - EP US);
Y10T 442/2492 (2015.04 - EP US)

Citation (search report)
See references of WO 2006069689A1

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 NL PL PT RO SE SI SK TR

DOCDB simple family (publication)
WO 2006069689 A1 20060706; DE 102004063004 A1 20060713; EP 1831451 A1 20070912; US 2010041291 A1 20100218;
US 8143176 B2 20120327

DOCDB simple family (application)
EP 2005013762 W 20051221; DE 102004063004 A 20041222; EP 05823619 A 20051221; US 72227105 A 20051221