

Title (en)
METHOD AND DEVICE FOR PRODUCING A TEXTILE WEB BY SPREADING TOWS

Title (de)
VERFAHREN UND VORRICHTUNG ZUR HERSTELLUNG EINER FASERVLIESBAHN DURCH AUSBREITUNG VON ENDLOSEN
FILAMENTBÜNDELN

Title (fr)
PROCEDE ET DISPOSITIF POUR REALISER UNE NAPPE FIBREUSE PAR ETALEMENT DE CABLES

Publication
EP 1407065 A1 20040414 (FR)

Application
EP 02762504 A 20020628

Priority
• FR 0202249 W 20020628
• FR 0108646 A 20010629

Abstract (en)
[origin: US2003172506A1] After yarns or tows (10) have been pre-spread and placed side by side substantially in a common plane, their surface is swept by at least one jet of air (22) displaced transversely relative to the longitudinal direction of the yarns or tows so as to obtain a substantially unidirectional sheet (20) that is uniform.

IPC 1-7
D02J 1/18; **D04H 3/04**

IPC 8 full level
D02J 1/18 (2006.01); **D04H 3/002** (2012.01); **D04H 3/04** (2012.01); **D04H 3/105** (2012.01)

CPC (source: EP US)
D02J 1/18 (2013.01 - EP US); **D04H 3/002** (2013.01 - EP US); **D04H 3/04** (2013.01 - EP US); **D04H 3/105** (2013.01 - EP US)

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

DOCDB simple family (publication)
US 2003172506 A1 20030918; **US 6836939 B2 20050104**; AT E469998 T1 20100615; CA 2420966 A1 20030116; CA 2420966 C 20090106;
DE 60236593 D1 20100715; EP 1407065 A1 20040414; EP 1407065 B1 20100602; ES 2345246 T3 20100920; FR 2826672 A1 20030103;
FR 2826672 B1 20030926; HU 227969 B1 20120730; HU P0400786 A2 20080228; JP 2004521197 A 20040715; JP 4128140 B2 20080730;
MX PA03001842 A 20031015; NO 20030874 D0 20030225; NO 20030874 L 20030225; NO 322259 B1 20060904; WO 03004744 A1 20030116

DOCDB simple family (application)
US 36274603 A 20030227; AT 02762504 T 20020628; CA 2420966 A 20020628; DE 60236593 T 20020628; EP 02762504 A 20020628;
ES 02762504 T 20020628; FR 0108646 A 20010629; FR 0202249 W 20020628; HU P0400786 A 20020628; JP 2003510496 A 20020628;
MX PA03001842 A 20020628; NO 20030874 A 20030225