

Title (en)
HYDROENTANGLEMENT OF CONTINUOUS POLYMER FILAMENTS

Title (de)
WASSERSTRAHLVERWIRBELUNG ENDLOSER POLYMERFILAMENTE

Title (fr)
HYDROENTREMELAGE DE FILAMENTS CONTINUS DE POLYMERES

Publication
EP 1360357 A1 20031112 (EN)

Application
EP 01273236 A 20010112

Priority
US 0101277 W 20010112

Abstract (en)
[origin: WO02055778A1] A nonwoven fabric (8) comprises continuous polymer filaments (2) of 0.5 to 3 denier that have been hydroentangled in a complex matrix for interconnecting filament loops, and that is otherwise substantially free of knotting, or of otherwise wrapping about one another. A process for making a nonwoven fabric comprises continuously extruding polymer filaments of 0.5 to 3 denier onto a moving support (14), pre-entangling the filaments with water jets (12), and entangling the filaments with a second set of water jets (16) on a three-dimensional image transfer device.

IPC 1-7
D04H 1/46; **D04H 1/56**

IPC 8 full level
D04H 1/46 (2006.01); **D04H 3/00** (2006.01); **D04H 3/10** (2006.01); **D04H 3/16** (2006.01); **D04H 18/04** (2012.01)

CPC (source: EP)
D04H 18/04 (2013.01)

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NL

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WO 02055778 A1 20020718; AU 2001229480 B2 20060824; CA 2434432 A1 20020718; CA 2434432 C 20080729; EP 1360357 A1 20031112; EP 1360357 A4 20040519; EP 1360357 B1 20070606; EP 1360357 B2 20100609; IL 156862 A0 20040208; IL 156862 A 20090922; JP 2004518029 A 20040617

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US 0101277 W 20010112; AU 2001229480 A 20010112; CA 2434432 A 20010112; EP 01273236 A 20010112; IL 15686201 A 20010112; IL 15686203 A 20030710; JP 2002556418 A 20010112