

Title (en)
FORAMINOUS FIBRE FLEECE

Publication
EP 0273454 B1 19930804 (DE)

Application
EP 87119378 A 19871230

Priority
JP 31289686 A 19861231

Abstract (en)
[origin: US4840829A] A nonwoven fabric patterned with apertures comprising nonwoven fabric areas into which individual fibers are gathered and entangled together and continuously from which said fibers are branched, and circular or elliptical apertures defined by said areas in a regular pattern. Such nonwoven fabric is produced by treating a fibrous web on a support having thereon a plurality of projections distributed at predetermined intervals with a high speed water jet.

IPC 1-7
D04H 1/44

IPC 8 full level
D04H 1/495 (2012.01)

CPC (source: EP US)
D04H 1/495 (2013.01 - EP US); **Y10T 428/24273** (2015.01 - EP US)

Cited by
DE102010050657A1; EP2918717A4

Designated contracting state (EPC)
DE ES FR IT SE

DOCDB simple family (publication)
EP 0273454 A2 19880706; **EP 0273454 A3 19890607**; **EP 0273454 B1 19930804**; DE 3786907 D1 19930909; ES 2043641 T3 19940101;
GB 2200927 A 19880817; GB 8730335 D0 19880203; JP H0737702 B2 19950426; JP S63243360 A 19881011; US 4840829 A 19890620

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EP 87119378 A 19871230; DE 3786907 T 19871230; ES 87119378 T 19871230; GB 8730335 A 19871231; JP 31289686 A 19861231;
US 13894587 A 19871229