

Title (en)

Spun-bonded, non-woven fabric continuous thermoplastic filaments and method of manufacturing the same.

Title (de)

Spinnvliesstoff aus thermoplastischen Endlosfilamenten und Verfahren zu seiner Herstellung.

Title (fr)

Non-tissé en filaments continus thermoplastiques et son procédé de fabrication.

Publication

EP 0518003 A1 19921216 (DE)

Application

EP 92104068 A 19920310

Priority

DE 4119455 A 19910613

Abstract (en)

[origin: US5466517A] A spunbonded fabric comprises continuous thermoplastic filaments, which adhere to one another at their intersecting points without binder, and whose material comprises at least 50 weight % biodegradable polycaprolactone having a mean molecular weight of from 35,000 to 70,000. In the production process of the spunbonded fabric, no additional stabilization step is necessary after the filaments are deposited.

Abstract (de)

Ein Spinnvliesstoff besteht aus thermoplastischen Endlosfilamenten, die an ihren Kreuzungspunkten bindemittelfrei aneinander haften und deren Werkstoff zu mindestens 50 Gew.-% aus biologisch abbaubarem Polycaprolacton mit einem mittleren Molekulargewicht von 35000 bis 70000 aufgebaut ist. Beim Herstellungsverfahren des Spinnvliesstoffs ist nach dem Ablegen der Filamente kein zusätzlicher Verfestigungsschritt notwendig.

IPC 1-7

D04H 1/42

IPC 8 full level

D01F 6/62 (2006.01); **C08L 101/16** (2006.01); **D04H 1/42** (2012.01); **D04H 3/007** (2012.01); **D04H 3/011** (2012.01); **D04H 3/16** (2006.01)

CPC (source: EP US)

D01D 5/0985 (2013.01 - EP US); **D01F 6/625** (2013.01 - EP US); **D01F 6/92** (2013.01 - EP US); **D04H 3/007** (2013.01 - EP US); **D04H 3/011** (2013.01 - EP US); **D04H 3/14** (2013.01 - EP US); **D04H 3/16** (2013.01 - EP US); **Y10T 428/2929** (2015.01 - EP US); **Y10T 428/2964** (2015.01 - EP US); **Y10T 428/2967** (2015.01 - EP US); **Y10T 442/637** (2015.04 - EP US); **Y10T 442/681** (2015.04 - EP US)

Citation (search report)

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- [A] DE 3932877 A1 19910411 - AKZO GMBH [DE]
- [AD] FR 2519038 A1 19830701 - FREUDENBERG CARL [DE]
- [Y] WORLD PATENTS INDEX Week 4379, Derwent Publications Ltd., London, GB; AN 79-78351B & JP-A-54 119 594 (AGENCY OF IND SCI) 17. September 1979
- [A] PATENT ABSTRACTS OF JAPAN vol. 004, no. 002 (C-069)9. Januar 1980 & JP-A-54 138 618 (TORAY IND INC)

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Designated contracting state (EPC)

AT BE CH DE DK ES FR GB IT LI LU NL SE

DOCDB simple family (publication)

US 5466517 A 19951114; AT E137816 T1 19960515; BR 9202227 A 19930202; CA 2071133 A1 19921214; CA 2071133 C 19961105; DE 4119455 C1 19920917; DE 59206211 D1 19960613; DK 0518003 T3 19960909; EP 0518003 A1 19921216; EP 0518003 B1 19960508; ES 2088513 T3 19960816; JP 2579716 B2 19970212; JP H05195407 A 19930803

DOCDB simple family (application)

US 89750092 A 19920612; AT 92104068 T 19920310; BR 9202227 A 19920615; CA 2071133 A 19920612; DE 4119455 A 19910613; DE 59206211 T 19920310; DK 92104068 T 19920310; EP 92104068 A 19920310; ES 92104068 T 19920310; JP 15327092 A 19920612