

Title (en)  
Nonwoven fabric and device for making the same

Title (de)  
Spinnvliesstoff und Vorrichtung zu dessen Herstellung

Title (fr)  
Matériau non-tissé et dispositif de fabrication

Publication  
**EP 0822283 A3 19980415 (DE)**

Application  
**EP 97108066 A 19970517**

Priority  
DE 19630524 A 19960729

Abstract (en)  
[origin: EP0822283A2] A spun-bonded web comprises two types, (a) and (b), of bi-component filaments of the same titre where the core material (1), polyethylene terephthalate, has a higher melting temperature than that of the sheath material (2), a binding polymer material. The ratio by weight of the sheath material of type (a) filament to type (b) filament, 2a:2b, is in the range 1:3 - 1:10 and over a cross-section of the web, the ratio by weight of type (a) filaments to type (b) filaments varies from 15 to 70%. This latter ratio changes through the cross-section planes of the web without noticeable phase boundaries. Also claimed is the apparatus for producing the web.

IPC 1-7  
**D04H 3/14; D04H 3/16**

IPC 8 full level  
**D04H 3/005** (2012.01); **D04H 3/011** (2012.01); **D04H 3/14** (2012.01); **D04H 3/147** (2012.01); **D04H 3/153** (2012.01); **D04H 3/16** (2006.01)

CPC (source: EP)  
**D04H 3/005** (2013.01); **D04H 3/011** (2013.01); **D04H 3/14** (2013.01); **D04H 3/147** (2013.01); **D04H 3/153** (2013.01); **D04H 3/16** (2013.01)

Citation (search report)

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- [A] DATABASE WPI Section Ch Week 8707, Derwent World Patents Index; Class A23, AN 87-047771, XP002056182
- [A] PATENT ABSTRACTS OF JAPAN vol. 017, no. 146 (C - 1039) 24 March 1993 (1993-03-24)
- [DA] PATENT ABSTRACTS OF JAPAN vol. 017, no. 211 (C - 1052) 26 April 1993 (1993-04-26)
- [A] PATENT ABSTRACTS OF JAPAN vol. 096, no. 006 28 June 1996 (1996-06-28)

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**EP 0822283 A2 19980204; EP 0822283 A3 19980415**; DE 19630524 C1 19980312; JP 2813584 B2 19981022; JP H10110373 A 19980428; KR 980009583 A 19980430; MX 9705699 A 19980228; PL 321390 A1 19980202

DOCDB simple family (application)  
**EP 97108066 A 19970517**; DE 19630524 A 19960729; JP 20359997 A 19970729; KR 19970035745 A 19970729; MX 9705699 A 19970728; PL 32139097 A 19970729