

Title (en)
Nonwoven fabric and method of its manufacture

Title (de)
Vliesstoff und Verfahren zu seiner Herstellung

Title (fr)
Non-Tisse et procede servant a le fabriquer

Publication
EP 1093536 B1 20031001 (EN)

Application
EP 99925203 A 19990604

Priority
• GB 9901775 W 19990604
• GB 9812089 A 19980605

Abstract (en)
[origin: GB2337957A] A nonwoven cellulose fabric is manufactured by extruding a solution of cellulose through at least one spinning jet to form fibres, subjecting the fibres to a high velocity gas flow, and passing the fibres through a vapour mist which at least partially coagulates the fibres prior to collection as a fabric web. The vapour mist may be a low alkyl alcohol or water, and is preferably formed by an atomiser nozzle located below the spinning jet(s). The gas flow is preferably compressed air which is directed onto the fibres at an angle of 30# to the axis of the extrudate fibres. The cellulose solution preferably contains 4-22%, and most preferably 10-15%, by weight cellulose, using an amine oxide as solvent. The fibre web may be collected on a dry surface with the subsequent treatment of the web with a coagulant, or it may alternatively be collected onto a surface wetted with coagulant. The fibre web is preferably collected on a compliant surface, which may be provided by a 2mm thick foam layer.

IPC 1-7
D01F 2/00; **D01D 5/098**; **D04H 1/56**; **D04H 3/16**

IPC 8 full level
D01D 5/06 (2006.01); **D01F 2/00** (2006.01); **D04H 1/425** (2012.01); **D04H 1/4258** (2012.01); **D04H 1/56** (2006.01); **D04H 3/013** (2012.01); **D04H 3/015** (2012.01); **D04H 3/03** (2012.01); **D04H 3/14** (2012.01); **D04H 3/16** (2006.01)

CPC (source: EP KR)
D01D 5/06 (2013.01 - KR); **D01F 2/00** (2013.01 - EP); **D01F 2/02** (2013.01 - KR); **D04H 1/425** (2013.01 - EP); **D04H 1/4258** (2013.01 - EP); **D04H 1/56** (2013.01 - EP); **D04H 3/013** (2013.01 - EP); **D04H 3/015** (2013.01 - EP); **D04H 3/03** (2013.01 - EP); **D04H 3/14** (2013.01 - EP); **D04H 3/16** (2013.01 - EP KR)

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Designated contracting state (EPC)
AT BE DE ES FI FR GB IT SE

DOCDB simple family (publication)
GB 2337957 A 19991208; **GB 9812089 D0 19980805**; AT E251239 T1 20031015; AU 4158299 A 19991230; BR 9910862 A 20010306; CA 2333882 A1 19991216; CN 1161502 C 20040811; CN 1304464 A 20010718; DE 69911776 D1 20031106; DE 69911776 T2 20040819; EP 1093536 A1 20010425; EP 1093536 B1 20031001; ES 2209444 T3 20040616; ID 27038 A 20010222; JP 2002517630 A 20020618; JP 4373008 B2 20091125; KR 100563788 B1 20060327; KR 20010071345 A 20010728; TR 200003602 T2 20010420; TW 419543 B 20010121; WO 9964649 A1 19991216

DOCDB simple family (application)
GB 9812089 A 19980605; AT 99925203 T 19990604; AU 4158299 A 19990604; BR 9910862 A 19990604; CA 2333882 A 19990604; CN 99807034 A 19990604; DE 69911776 T 19990604; EP 99925203 A 19990604; ES 99925203 T 19990604; GB 9901775 W 19990604; ID 20002525 A 19990604; JP 2000553637 A 19990604; KR 20007013428 A 20001129; TR 200003602 T 19990604; TW 88108594 A 19990521