

Title (en)
METHODS OF MANUFACTURE OF NONWOVEN FABRIC

Title (de)
VERFAHREN ZUR HERSTELLUNG EINES VLIESSTOFFES

Title (fr)
PROCEDE SERVANT A FABRIQUER UN NON-TISSE

Publication
EP 1093536 A1 20010425 (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.

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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)

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