

Title (en)
METHOD FOR MAKING SPUN-BONDED FIBRE WEBS

Publication
EP 0205736 A3 19890906 (DE)

Application
EP 86101924 A 19860214

Priority
DE 3521221 A 19850613

Abstract (en)
[origin: EP0205736A2] Method for making spunbonded fibre webs from synthetic fibres and/or filaments by blow spinning a melt or solution of a spinnable polymer material with the aid of a jet head (1) with jet openings (2) and a take-up device (3). In the area between the jet openings (2) and the take-up device (3) a smooth and/or crimped monofilament (4) and/or a smooth and/or crimped filament yarn (4) - or more than one thereof - having a modulus of at least 1 cN/dtex are applied to or introduced into the mass (6) of the fibres and/or filaments forming the spunbonded fibre webs (7), preferably by blowing by means of filament (yarn) forwarding jets (8). The smooth monofilaments or filament yarns improve the strength properties, such as tensile strength, and also the burst strength of the spunbonded fibre webs. The crimped monofilaments or filament yarns mainly confer on the spunbonded fibre webs a low and uniform density and also an improved gas, vapour and liquid permeability. In contradistinction to existing methods, the novel method requires no additional steps after the blow spinning step. <IMAGE>

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D04H 5/06; **D04H 3/16**; **D04H 1/56**

IPC 8 full level
D04H 3/03 (2006.01); **D04H 1/56** (2006.01); **D04H 3/16** (2006.01); **D04H 5/06** (2006.01); **D04H 5/08** (2012.01)

CPC (source: EP)
D01D 5/0985 (2013.01); **D04H 3/16** (2013.01); **D04H 5/06** (2013.01); **D04H 5/08** (2013.01)

Citation (search report)
[X] US 4238175 A 19801209 - FUJII SHIGEO [JP], et al

Cited by
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