Title (en)

Single-layered nonwoven composite

Title (de)

Einlagevliesverbundstoff

Title (fr)

Non-tissé composite d'une couche

Publication

EP 0672773 B1 20000119 (DE)

Application

EP 94115631 A 19941005

Priority

DE 4408813 A 19940316

Abstract (en)

[origin: EP0672773A2] A fleece lining, which can be applied by ironing via an adhesive, is claimed, as is also its prodn. The fleece is of 10-40 g/m<2> wt. and has the following features: (i) it is reinforced by 5-25g/m<2> of elastic texturised reinforcing warp fibres which have a primary elongation of 10-35%, a total titre of 30-120 dtex and a fibre density of 3-25/inch (1.8-9.84/cm); (ii) the wt. ratio of warp fibres:fleece is 1:3-3:1; and (iii) the ultimate longitudinal elongation of the composite reinforced fleece is 50-120%. Claimed mfr. involves the following consecutive steps: (a) fully shrinking the composite fleece contg. reinforcing warp fibres to the required ultimate longitudinal elongation in a tensionless process; (b) heat-setting with simultaneous surface smoothing; and finally (or simultaneously) (c) applying a hot melt adhesive.

IPC 1-7 (main, further and additional classification)

D04H 1/52; A41D 27/06; D04H 1/44; D04H 1/46; D04H 3/12

IPC 8 full level (invention and additional information)

D04B 21/14 (2006.01); **A41D 27/06** (2006.01); **D04H 1/52** (2006.01); **D04H 5/02** (2012.01); **D04H 5/03** (2012.01); **D04H 5/04** (2006.01); **D04H 5/06** (2006.01)

CPC (invention and additional information)

D04H 13/00 (2013.01); **A41D 27/06** (2013.01); **D04H 5/02** (2013.01); **D04H 5/03** (2013.01); **D04H 5/04** (2013.01); **D04H 5/06** (2013.01); Y10T 428/24033 (2013.01); Y10T 428/24041 (2013.01); Y10T 428/24826 (2013.01); Y10T 428/24843 (2013.01); Y10T 428/249921 (2015.04); Y10T 442/601 (2015.04); Y10T 442/638 (2015.04)

Cited by

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Designated contracting state (EPC)

DE ES FR GB IT NL

DOCDB simple family

EP 0672773 A2 19950920; EP 0672773 A3 19981216; EP 0672773 B1 20000119; DE 4408813 C1 19951005; ES 2142898 T3 20000501; JP 2956823 B2 19991004; JP H0841760 A 19960213; US 5552206 A 19960903; ZA 9501499 B 19951207