

Title (en)

PROCESS FOR MANUFACTURING A NON WOVEN TEXTILE SHEET, AND THE NON WOVEN TEXTILE SHEET

Publication

EP 0054686 B1 19850130 (DE)

Application

EP 81108908 A 19811026

Priority

CH 950680 A 19801223

Abstract (en)

[origin: EP0054686A1] 1. Process for manufacturing a multi-layer non-woven textile sheet material (1) with a tufted and additionally structured useful surface, comprising an under-layer (6), a carrier layer (3) which is smooth in its starting condition and carries closed or open textile loops, and a looped textile layer (4) which is structured or patterned in the finished product and which forms the useful surface, in which threads from the under-layer (6) are needled from the rear surface of the carrier layer (3) at least partially through this carrier layer (3), characterised in that the under-layer (6) comprises, or contains, ball-like or vermicular fibre bodies (5) of spherically wound fibres, and that at least some of these ball-like or vermicular fibre bodies (5) are needled through the carrier layer (3) with a change in their original form in such a way that they extend with their ball-like shaped head portion (5') into the looped textile layer (4) which forms the useful surface.

IPC 1-7

D04H 11/08; **D04H 1/46**

IPC 8 full level

D04H 1/46 (2012.01); **D04H 11/08** (2006.01)

CPC (source: EP)

D04H 1/46 (2013.01); **D04H 11/00** (2013.01); **D04H 11/08** (2013.01)

Cited by

EP0539942A1; CN113293541A; GB2190404A; GB2190404B

Designated contracting state (EPC)

AT BE CH DE FR GB IT LI LU NL SE

DOCDB simple family (publication)

EP 0054686 A1 19820630; **EP 0054686 B1 19850130**; AT E11578 T1 19850215; CA 1165990 A 19840424; CH 637516 B; CH 637516G A3 19830815; DE 3168673 D1 19850314

DOCDB simple family (application)

EP 81108908 A 19811026; AT 81108908 T 19811026; CA 392903 A 19811222; CH 950680 A 19801223; DE 3168673 T 19811026