

Title (en)  
METHOD FOR PROFILING A NONWOVEN FABRIC AND PROFILE FORMING DEVICE

Title (de)  
VERFAHREN ZUM PROFILIEREN EINES VLIESES UND PROFILBILDUNGSEINRICHTUNG

Title (fr)  
PROCEDE POUR PROFILER UN NON-TISSE ET DISPOSITIF DE FORMATION DE PROFILS

Publication  
**EP 1381721 A1 20040121 (DE)**

Application  
**EP 02778850 A 20020423**

Priority  
• DE 20107004 U 20010423  
• DE 20117627 U 20011031  
• EP 0204431 W 20020423

Abstract (en)  
[origin: WO02101130A1] The invention relates to a method and a device for profiling a multilayered nonwoven fabric (9, 108) which is positioned by means of a device for laying said nonwoven fabric (3, 102) consisting of at least one nonwoven fabric material (8, 107) which is supplied by a device for producing nonwoven fabric material (2, 103). Said nonwoven fabric material (8, 107) is extended and compressed by means of a profile forming device (1) which is associated with the device for laying nonwoven fabrics (3, 102) or is connected in series therewith, at at least two clamping points (105, 105', 106) which are defined and arranged at a distance between the device for laying nonwoven fabrics (3, 102) and the device for producing nonwoven fabric materials (2, 103). The profile forming device (1) is provided with a control system (7) which can be connected to the control system of the device for laying nonwoven fabrics (3, 102) or integrated into the same. A buffer device (6) for the nonwoven fabric (9, 108) is arranged behind the device for laying said nonwoven fabric (3, 102).

IPC 1-7  
**D01G 25/00; D04H 1/70**

IPC 8 full level  
**D01G 25/00** (2006.01); **D04H 1/70** (2006.01); **D04H 1/74** (2006.01); **D04H 13/00** (2006.01)

CPC (source: EP)  
**D01G 25/00** (2013.01); **D04H 1/70** (2013.01); **D04H 1/74** (2013.01); **D04H 13/00** (2013.01); **D04H 18/02** (2013.01)

Citation (search report)  
See references of WO 02101130A1

Cited by  
EP2537967A1; DE102013101398A1; DE102017116059A1; DE102011120715A1; DE102013101398B4; WO2010073221A2; US8464400B2; EP1936016B1; EP3575455B1

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

DOCDB simple family (publication)  
**WO 02101130 A1 20021219**; DE 50207108 D1 20060720; DE 50211901 D1 20080424; DE 50214639 D1 20101014; EP 1381721 A1 20040121; EP 1381721 B1 20060607; EP 1643022 A1 20060405; EP 1643022 B1 20100901; EP 1647617 A1 20060419; EP 1647617 B1 20080312; ES 2265058 T3 20070201; ES 2302111 T3 20080701

DOCDB simple family (application)  
**EP 0204431 W 20020423**; DE 50207108 T 20020423; DE 50211901 T 20020423; DE 50214639 T 20020423; EP 02778850 A 20020423; EP 05022667 A 20020423; EP 05022670 A 20020423; ES 02778850 T 20020423; ES 05022670 T 20020423