

Title (en)  
Nonwoven material and process of manufacturing

Title (de)  
Verbundvliesstoffmaterial und Verfahren zu seiner Herstellung

Title (fr)  
Matériau non-tissé et procédé de fabrication

Publication  
**EP 1264561 B1 20060621 (DE)**

Application  
**EP 02011653 A 20020531**

Priority  
DE 10127514 A 20010606

Abstract (en)  
[origin: EP1264561A1] Laminated nonwoven fabric material in two layers, where the first layer comprises cellulosic fibers and thermoplastic fibers and the second layer comprises thermoplastic fibers. A laminated nonwoven fabric material (NFM) with at least two layers of NFM. The first layer comprises cellulosic fibers and optionally thermoplastic fibers and the second layer comprises further thermoplastic fibers, of melting point less than that of the NFM layer. At least two NFM layers are melted together and the second NFM layer has an embossed pattern on the surface turned away from the first layer. Independent claims are also included for: (1) the preparation of the laminated NFM, comprises formation of a first layer with cellulosic fibers and optionally first thermoplastic fibers; formation of the second layer with further thermoplastic fibers as above; arrangement of the layers; and application of pressure to the laminate formed, heating of this so that the fibers in the second layer are melted at least on the surface, so that a melt bond is formed between the fibers of the first and those of the second layer, and additional formation of a melt bond between the fibers of the second layer, with its resultant reinforcement; and (2) a two-layer cotton wool pad for skin care and cleaning and for cosmetic applications formed from a laminated NFM as above (claimed).

IPC 8 full level  
**A45D 40/00** (2006.01); **A61F 13/20** (2006.01); **D04H 1/02** (2006.01); **D04H 1/42** (2012.01); **D04H 1/425** (2012.01); **D04H 1/4266** (2012.01); **D04H 1/4374** (2012.01); **D04H 1/492** (2012.01); **D04H 1/541** (2012.01); **D04H 1/544** (2012.01); **D04H 1/55** (2012.01); **D04H 1/559** (2012.01); **D04H 13/00** (2006.01)

CPC (source: EP US)  
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Cited by  
EP1721597A1; CN111058188A; EP1400224A1; CN106192200A; FR2867067A1; EP1574208A1; CN103620100A; EP2767627A1; US9732454B2; WO2012122214A1; US11779071B2; US7081559B2; US7514071B2; WO03043551A1; US9682512B2; US10131091B2; US10625472B2; US10138582B2; US10174447B2; US10982363B2; US10982364B2

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