

Title (en)  
Bulky nonwoven fabric

Title (de)  
Bauschiger Vliesstoff

Title (fr)  
Matériau non-tissé épais

Publication  
**EP 0864682 A1 19980916 (EN)**

Application  
**EP 98104181 A 19980309**

Priority  
JP 7656097 A 19970312

Abstract (en)  
An object of the invention to provide a melt-blown nonwoven fabric having superior bulkiness and flexibility attained by means of a nonwoven fabric consisting of thermoplastic fine fibers having a fiber diameter of 20  $\mu$ m or less spun by a melt-blowing method, characterized in that huge interstitial layers having a width of 30 to 200  $\mu$ m and a length of 50 to 30000  $\mu$ m which contain no fiber present or which are mostly occupied by spaces if fiber(s) being present are distributed as plural layers in a cross-section of the nonwoven fabric, and that the said interstitial layers occupy 10 to 85% of a total area in an optional positional cross-sectional area having a cross-sectional area of at least 0.25cm<sup>2</sup> in the nonwoven fabric.  
<IMAGE>

IPC 1-7  
**D04H 1/56**; **D04H 1/72**; **D04H 3/03**

IPC 8 full level  
**D04H 1/56** (2006.01); **D04H 1/724** (2012.01); **D04H 3/033** (2012.01); **D04H 13/00** (2006.01)

CPC (source: EP)  
**D04H 1/56** (2013.01); **D04H 1/70** (2013.01); **D04H 3/007** (2013.01); **D04H 3/011** (2013.01); **D04H 3/016** (2013.01); **D04H 3/02** (2013.01); **D04H 3/03** (2013.01); **D04H 3/033** (2013.01); **D04H 3/14** (2013.01); **D04H 3/16** (2013.01)

Citation (search report)  
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• [DA] DATABASE WPI Section Ch Week 9212, Derwent World Patents Index; Class A32, AN 92-091816, XP002070720  
• [PA] PATENT ABSTRACTS OF JAPAN vol. 097, no. 010 31 October 1997 (1997-10-31)  
• [A] DATABASE WPI Section Ch Week 8849, Derwent World Patents Index; Class A88, AN 88-351059, XP002070732

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DE FR IT

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