

Title (en)  
SOUNDPROOFING MATERIAL AND THE USE THEREOF

Title (de)  
SCHALLSCHUTZMATERIAL UND SEINE VERWENDUNG

Title (fr)  
MATERIAU D'INSONORISATION ET SON UTILISATION

Publication  
**EP 0963473 A1 19991215 (DE)**

Application  
**EP 98909415 A 19980209**

Priority  
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• EP 9800686 W 19980209

Abstract (en)  
[origin: US6376396B1] A soundproofing material made of nonwoven materials containing thermoplastic fibers for the acoustic frequency range of 100 to 5000 Hz is characterized in that the nonwoven material is permanently compacted to a specific flow resistance of RS=800-1400 Ns/m<sup>3</sup> in two stages by a mechanical compaction process and a subsequent pressure/heat treatment.

IPC 1-7  
**D04H 1/54**; D04H 1/48; D04H 1/46; E04B 1/84; G10K 11/00

IPC 8 full level  
**E04B 1/82** (2006.01); **D04H 1/435** (2012.01); **D04H 1/46** (2012.01); **D04H 1/48** (2006.01); **D04H 1/485** (2012.01); **D04H 1/54** (2006.01); **D06M 11/69** (2006.01); **D06M 13/292** (2006.01); **D06M 15/423** (2006.01); **E04B 1/84** (2006.01); **G10K 11/00** (2006.01); **G10K 11/162** (2006.01)

CPC (source: EP KR US)  
**D04H 1/435** (2013.01 - EP KR US); **D04H 1/44** (2013.01 - KR); **D04H 1/46** (2013.01 - EP US); **D04H 1/485** (2013.01 - EP US); **G10K 11/162** (2013.01 - EP US); **Y10S 428/92** (2013.01 - EP US); **Y10S 428/921** (2013.01 - EP US); **Y10T 442/2631** (2015.04 - EP US); **Y10T 442/2672** (2015.04 - EP US); **Y10T 442/2721** (2015.04 - EP US); **Y10T 442/60** (2015.04 - EP US); **Y10T 442/682** (2015.04 - EP US); **Y10T 442/697** (2015.04 - EP US)

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See references of WO 9838370A1

Designated contracting state (EPC)  
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**US 6376396 B1 20020423**; AT E218171 T1 20020615; AU 6395998 A 19980918; CA 2280772 A1 19980903; DE 19708188 A1 19980903; DE 19708188 C2 20010510; DE 59804245 D1 20020704; EP 0963473 A1 19991215; EP 0963473 B1 20020529; JP 2001513217 A 20010828; KR 20000075816 A 20001226; NO 994155 D0 19990827; NO 994155 L 19990827; WO 9838370 A1 19980903

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