

Title (en)  
COMPOSITE MATERIAL

Title (de)  
KOMPOSITMATERIAL

Title (fr)  
MATERIAU COMPOSITE

Publication  
**EP 1259366 A1 20021127 (DE)**

Application  
**EP 01907454 A 20010117**

Priority  
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Abstract (en)  
[origin: DE10009280A1] Material comprises a microfilament fleece of 50-200g/m<2> based on melt spun, stretched multi-component, continuous filaments with a weight/unit length of 1.5-5dtex. After >= 80% solidification the continuous filaments are split and simultaneously solidified to form micro continuous filaments with a weight/unit length of 0.1-1.2dtex. A thermoplastic material is then injection molded onto the fleece. An Independent claim is also included for a process for manufacturing the composite material in the fleece from continuous filaments, partially solidified and then subjected to high pressure fluid jets which complete the solidification and simultaneously split the filaments into micro filaments before backing with thermoplastic.

IPC 1-7  
**B29C 45/14**; **B29C 70/22**; **D04H 3/10**

IPC 8 full level  
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CPC (source: EP US)  
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Citation (search report)  
See references of WO 0164416A1

Designated contracting state (EPC)  
DE ES FR GB IT

DOCDB simple family (publication)  
**DE 10009280 A1 20010906**; **DE 10009280 B4 20060518**; AR 027425 A1 20030326; AU 3542401 A 20010912; CA 2401440 A1 20010907; EP 1259366 A1 20021127; US 2003148096 A1 20030807; WO 0164416 A1 20010907

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**DE 10009280 A 20000228**; AR P010100667 A 20010214; AU 3542401 A 20010117; CA 2401440 A 20010117; EP 0100456 W 20010117; EP 01907454 A 20010117; US 22019302 A 20021111