

Title (en)  
IMPREGNATED FOAM

Title (de)  
IMPRÄGNIERTER SCHAUMSTOFF

Title (fr)  
MOUSSE IMPREGNEE

Publication  
**EP 1937467 A4 20110601 (EN)**

Application  
**EP 05807528 A 20051014**

Priority  
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Abstract (en)  
[origin: WO2007024246A1] An impregnated foam comprises a flexible cellular foam impregnated with a chemical agent in which a plurality of particles having dimensions of 100 micrometers or less are dispersed. The foam can be compressed between two structural elements to form, e.g., a joint sealant; an expansion joint; a closure; a gap filler; a gasket; or a sealing, insulating, acoustical or anti-vibration sheet or blanket. Inclusion of the fine particles enables the use of less chemical agent or a lower degree of compression to obtain the same sealant performance as previous impregnated foams. Figure 1 is a magnified view of the microstructure of foam impregnated with a chemical agent in which microparticles are dispersed.

IPC 8 full level  
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Citation (search report)  
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• [Y] US 2003083423 A1 20030501 - WIERCINSKI ROBERT A [US], et al  
• [Y] DE 4020230 A1 19910103 - HIENDL HERIBERT [DE]  
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• [A] US 2004066006 A1 20040408 - BAERVELDT KONRAD [CA]  
• See references of WO 2007024246A1

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