

Title (en)  
**FILTER**

Title (de)  
**FILTER**

Title (fr)  
**FILTRE**

Publication  
**EP 0948388 A1 19991013 (EN)**

Application  
**EP 97913187 A 19971112**

Priority  
• FI 9700687 W 19971112  
• FI 964946 A 19961211

Abstract (en)  
[origin: WO9825685A1] The invention relates to a filter element for fluids, the filter element being resistant to high temperatures, in particular 800...1600 DEG C, and comprising a support layer and a coating formed thereon, the pore size of the support layer being greater than the pore size of the coating. The invention is characterized in that the support layer is made up of inorganic structural particles bonded together by means of a reaction product produced in a reaction-sintering process between the said structural particles and a binder formed by an inorganic starting component, and that at minimum 60 % by weight of the structural particles used are structural particles having a diameter of 87...1000 mu m as determined by the screening method. The invention also relates to a novel support layer and to methods for fabricating the support layer and the filter element.

IPC 1-7  
**B01D 39/20**

IPC 8 full level  
**B01D 39/20** (2006.01); **C04B 38/00** (2006.01); **C04B 41/50** (2006.01); **C04B 41/87** (2006.01)

CPC (source: EP)  
**B01D 39/2075** (2013.01); **C04B 38/00** (2013.01); **C04B 41/009** (2013.01); **C04B 41/5031** (2013.01); **C04B 41/87** (2013.01); **B01D 2239/04** (2013.01); **B01D 2239/0457** (2013.01); **B01D 2239/0478** (2013.01); **B01D 2239/0654** (2013.01); **B01D 2239/086** (2013.01); **B01D 2239/10** (2013.01); **B01D 2239/125** (2013.01); **B01D 2239/1291** (2013.01); **C04B 2111/00793** (2013.01)

Citation (search report)  
See references of WO 9825685A1

Designated contracting state (EPC)  
AT BE CH DE DK ES FR GB GR IE IT LI NL PT SE

DOCDB simple family (publication)  
**WO 9825685 A1 19980618**; AU 5052498 A 19980703; EP 0948388 A1 19991013; FI 103644 B1 19990813; FI 103644 B 19990813; FI 964946 A0 19961211; FI 964946 A 19980612

DOCDB simple family (application)  
**FI 9700687 W 19971112**; AU 5052498 A 19971112; EP 97913187 A 19971112; FI 964946 A 19961211