

Title (en)

CERAMIC HOT-GAS FILTER AND PROCESS FOR MANUFACTURING IT

Title (de)

KERAMISCHER FILTER FÜR HEISSE GASE UND PROZESS ZU SEINER HERSTELLUNG

Title (fr)

FILTRE A GAZ CHAUDS EN CERAMIQUE ET PROCEDE DE FABRICATION DE CE FILTRE

Publication

EP 0830194 A1 19980325 (EN)

Application

EP 96919285 A 19960607

Priority

- US 9609761 W 19960607
- US 48926395 A 19950609

Abstract (en)

[origin: WO9641672A1] A ceramic hot-gas candle filter having a porous support of filament-wound oxide ceramic yarn at least partially surrounded by a porous refractory oxide ceramic matrix, and a membrane layer on the outside surface of the porous support. The membrane layer is formed of an ordered arrangement of continuous filament oxide ceramic yarn which is at least partially surrounded by a porous refractory oxide ceramic matrix. The filter can withstand thermal cycling during backpulse cleaning and is resistant to chemical degradation at high temperatures.

IPC 1-7

B01D 46/24; **B01D 39/20**

IPC 8 full level

B01D 39/20 (2006.01); **B01D 46/24** (2006.01); **B01D 71/02** (2006.01); **B32B 18/00** (2006.01); **C03C 25/42** (2006.01); **C04B 35/195** (2006.01); **C04B 38/00** (2006.01); **C04B 41/50** (2006.01)

CPC (source: EP US)

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C-Set (source: EP)

1. **C04B 38/00 + C04B 35/00 + C04B 41/4596 + C04B 41/4582 + C04B 41/5025**
2. **C04B 41/5025 + C04B 41/4582 + C04B 41/4596**
3. **C04B 41/009 + C04B 14/46 + C04B 30/02**
4. **C04B 41/009 + C04B 38/00**

Citation (search report)

See references of WO 9641672A1

Designated contracting state (EPC)

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