

Title (en)  
Regenerable filter for exhaust gases of an internal-combustion engine.

Title (de)  
Regenerierbares Abgasfilter für Verbrennungsmotoren.

Title (fr)  
Filtre régénérable pour gaz d'échappement de moteurs à combustion interne.

Publication  
**EP 0270990 A1 19880615 (EN)**

Application  
**EP 87117828 A 19871202**

Priority  
IT 6790986 A 19861205

Abstract (en)  
The filter comprises filtering means (21) suited to intercept the residual combustion products, and heating means suited to bring said residues to a combustion temperature; the heating means comprise a plurality of electrically conductive portions (26) of said filtering means (21), mutually insulated and cyclically and selectively supplied.

IPC 1-7  
**F01N 3/02**

IPC 8 full level  
**B01D 39/14** (2006.01); **B01D 46/00** (2006.01); **F01N 3/02** (2006.01); **B01D 46/24** (2006.01); **B01D 46/42** (2006.01); **F01N 3/022** (2006.01); **F01N 3/027** (2006.01); **F01N 3/021** (2006.01)

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Citation (search report)

- [A] US 4276066 A 19810630 - BLY KENNETH B, et al
- [A] US 4455823 A 19840626 - BLY KENNETH B [US], et al
- [A] US 4503672 A 19850312 - STARK TERRENCE L [US], et al
- [A] US 4427418 A 19840124 - KOGISO TAKESHI [JP], et al
- [A] US 4516993 A 19850514 - TAKEUCHI YUKIHISA [JP], et al
- [A] US 4505726 A 19850319 - TAKEUCHI YUKIHISA [JP], et al
- [A] US 4505107 A 19850319 - YAMAGUCHI SHUNZO [JP], et al
- [A] US 3937015 A 19760210 - AKADO HAJIME, et al

Cited by  
EP0658685A3; AT405435B; US5405422A; US5402639A; CN110185519A; EP0599323A1; EP0841475A1; FR2755623A1; US6090172A; EP0789135A1; US5820833A; US10918987B2; WO9313303A1; WO9421900A1

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**EP 0393729 A2 19901024**; **EP 0393729 A3 19901128**; **EP 0393729 B1 19921007**; DE 3772013 D1 19910912; DE 3782176 D1 19921112; DE 3782176 T2 19930506; EP 0270990 A1 19880615; EP 0270990 B1 19910807; ES 2023398 B3 19920116; ES 2035681 T3 19930416; IT 1196822 B 19881125; IT 8667909 A0 19861205; JP 2610147 B2 19970514; JP S63197511 A 19880816

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