

Title (en)

PARTICLE FILTER REGENERABLE BY COMBUSTION FOR EXHAUST GASES OF INTERNAL COMBUSTION ENGINE

Publication

EP 0507116 A3 19930310 (DE)

Application

EP 92104122 A 19920311

Priority

DE 4111029 A 19910405

Abstract (en)

[origin: CA2063233A1] A particle filter for the exhaust gases of internal combustion engines is described, which can be regenerated by burning free, and in which the filter cartridges (12) include a support tube (16) with a lining of filter material (20). The support tubes 16 are conical. The lining with filter material (20) is preferably carried out such that the filter cartridge (12) has a cylindrical shape, i.e., the filter material (20) lining is thicker on the inlet side than on the outlet side. However, lining with an equal thickness of filter material (20) over the entire length of the conical part of the filter cartridge (12) is also shown.

IPC 1-7

F01N 3/02

IPC 8 full level

F01N 3/02 (2006.01); **F01N 3/021** (2006.01); **F01N 3/025** (2006.01)

CPC (source: EP US)

F01N 3/0212 (2013.01 - EP US); **F01N 3/025** (2013.01 - EP US); **Y10S 55/30** (2013.01 - EP US)

Citation (search report)

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- [A] US 4390354 A 19830628 - WITCHELL STANLEY P [GB]
- [A] US 4419113 A 19831206 - SMITH RICHARD H [US]

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Designated contracting state (EPC)

AT DE ES FR GB IT NL SE

DOCDB simple family (publication)

EP 0507116 A2 19921007; **EP 0507116 A3 19930310**; **EP 0507116 B1 19941207**; AT E115236 T1 19941215; CA 2063233 A1 19921006; DE 4111029 A1 19921008; DE 4111029 C2 19950831; DE 59200883 D1 19950119; ES 2065091 T3 19950201; US 5238472 A 19930824

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EP 92104122 A 19920311; AT 92104122 T 19920311; CA 2063233 A 19920317; DE 4111029 A 19910405; DE 59200883 T 19920311; ES 92104122 T 19920311; US 86231992 A 19920402