

Title (en)
Soot filter for diesel engines.

Title (de)
Russfilter für Dieselmotoren.

Title (fr)
Filtre à suie pour moteurs diesel.

Publication
EP 0549851 B1 19950913 (DE)

Application
EP 92108822 A 19920526

Priority
DE 4200100 A 19920103

Abstract (en)
[origin: EP0549851A1] The invention relates to a soot filter for diesel engines having tubular filter cartridges (8), through the wall of which the exhaust gas passes from outside to inside and the soot deposits on the tube outer wall, in order there, after formation of a layer, to be burnt off by a burner (5), the resistance to flow through the filter cartridge, at least in some filter cartridges (8) situated further towards the outside, being greater in a first region (15) situated closer to the burner (5) or the flame inlet, than in a more remote second region (16). <IMAGE>

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); **F01N 3/033** (2006.01); **F02B 3/06** (2006.01)

CPC (source: EP KR US)
F01N 3/02 (2013.01 - KR); **F01N 3/0212** (2013.01 - EP US); **F01N 3/025** (2013.01 - EP US); **F01N 3/0335** (2013.01 - EP US); **F01N 2240/20** (2013.01 - EP US); **F02B 3/06** (2013.01 - EP US); **Y10S 55/10** (2013.01 - EP US); **Y10S 55/30** (2013.01 - EP US)

Cited by
EP0854274A1

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

DOCDB simple family (publication)
EP 0549851 A1 19930707; **EP 0549851 B1 19950913**; AT E127882 T1 19950915; BR 9203807 A 19930706; CZ 283739 B6 19980617; CZ 360292 A3 19930714; DE 4200100 A1 19930708; DE 59203682 D1 19951019; DK 0549851 T3 19960205; ES 2077292 T3 19951116; GR 3017443 T3 19951231; HU 9203046 D0 19921228; HU T66551 A 19941228; JP 2513969 B2 19960710; JP H0650129 A 19940222; KR 930016639 A 19930826; SK 360292 A3 19950105; US 5279630 A 19940118

DOCDB simple family (application)
EP 92108822 A 19920526; AT 92108822 T 19920526; BR 9203807 A 19920930; CS 360292 A 19921208; DE 4200100 A 19920103; DE 59203682 T 19920526; DK 92108822 T 19920526; ES 92108822 T 19920526; GR 950402569 T 19950920; HU 9203046 A 19920924; JP 17527592 A 19920702; KR 920018281 A 19921006; SK 360292 A 19921208; US 91591592 A 19920716