

Title (en)
Soot filter with a ring chamber

Title (de)
Russfilter mit Ringraum

Title (fr)
Filtre de la suie avec une chambre annulaire

Publication
EP 0554499 B1 19960724 (DE)

Application
EP 92103705 A 19920304

Priority
DE 4202960 A 19920201

Abstract (en)
[origin: EP0554499A1] The invention relates to a soot filter (1) for diesel engines with a burner (S) which burns off the soot layers deposited on the filter tubes (8), the engine exhaust gases being guided through a tangential inlet (2) into a ring space (4) which surrounds the burner (5) and from which they pass via the combustion chamber (5a) into the filter space (7), the region of the ring space (4) into which the exhaust gases enter being separated by a wall (13) from the region of the ring space (4) into which the exhaust gases pass after passing completely through the ring space.
<IMAGE>

IPC 1-7
F01N 3/02

IPC 8 full level
F01N 3/02 (2006.01); **F01N 3/025** (2006.01); **F01N 3/033** (2006.01); **F02B 3/06** (2006.01)

CPC (source: EP KR)
F01N 3/02 (2013.01 - KR); **F01N 3/025** (2013.01 - EP); **F01N 3/0335** (2013.01 - EP); **F02B 3/06** (2013.01 - EP)

Citation (examination)
WO 8604525 A1 19860814 - KOCH CHRISTIAN

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

DOCDB simple family (publication)
EP 0554499 A1 19930811; **EP 0554499 B1 19960724**; AT E140761 T1 19960815; BR 9203675 A 19930810; CZ 363892 A3 19930811; DE 4202960 A1 19930805; DE 59206819 D1 19960829; DE 9219003 U1 19970116; GR 3021024 T3 19961231; HU 9203047 D0 19921228; HU T66635 A 19941228; JP 2577849 B2 19970205; JP H05263619 A 19931012; KR 930018135 A 19930921; SK 363892 A3 19950308

DOCDB simple family (application)
EP 92103705 A 19920304; AT 92103705 T 19920304; BR 9203675 A 19920922; CS 363892 A 19921211; DE 4202960 A 19920201; DE 59206819 T 19920304; DE 9219003 U 19920304; GR 960402377 T 19960912; HU 9203047 A 19920924; JP 18225692 A 19920709; KR 920018364 A 19921007; SK 363892 A 19921211