

Title (en)  
Particulate filter for purifying exhaust gases of internal combustion engines

Title (de)  
Partikelfilter zum Reinigen von motorischen Abgasen

Title (fr)  
Filtre à particules pour la purification de gaz d'échappement de moteurs

Publication  
**EP 1304455 B1 20090930 (DE)**

Application  
**EP 02023261 A 20021017**

Priority  
DE 10151425 A 20011018

Abstract (en)  
[origin: EP1304455A1] A particle filter for cleaning motor vehicle exhaust gases has pot shaped inlet channels (9) with end bars into which particle-laden exhaust gases (3) flow and parallel adjacent outlet channels (10). An electric heater (15) in the base of the outlet channels burns off layers deposited in the pores (13) between the channels.

IPC 8 full level  
**F01N 3/027** (2006.01); **F01N 3/022** (2006.01); **F01N 3/08** (2006.01); **F01N 13/02** (2010.01)

CPC (source: EP)  
**F01N 3/0222** (2013.01); **F01N 3/027** (2013.01); **F01N 3/0821** (2013.01); **F01N 3/0842** (2013.01); **F01N 3/0885** (2013.01); **F01N 13/0097** (2014.06); **F01N 2570/04** (2013.01); **F01N 2570/10** (2013.01); **F01N 2570/12** (2013.01); **F01N 2570/14** (2013.01)

Cited by  
EP1496212A1; DE102016110527A1; US7338642B2; WO2004079170A1; US7930881B2; US8752367B2; EP1902202A1

Designated contracting state (EPC)  
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR IE IT LI LU MC NL PT SE SK TR

DOCDB simple family (publication)  
**EP 1304455 A1 20030423; EP 1304455 B1 20090930**; AT E444437 T1 20091015; DE 10151425 A1 20030430; DE 50213879 D1 20091112

DOCDB simple family (application)  
**EP 02023261 A 20021017**; AT 02023261 T 20021017; DE 10151425 A 20011018; DE 50213879 T 20021017