

Title (en)

Exhaust gas purifier for internal combustion engine

Title (de)

Abgasreiniger zum Reinigen von Brennkraftmaschinenabgasen

Title (fr)

Purificateur des gaz d'échappement d'un moteur à combustion interne

Publication

EP 1267047 A1 20021218 (EN)

Application

EP 02012935 A 20020611

Priority

JP 2001179326 A 20010613

Abstract (en)

In an exhaust gas purifier provided with a collecting material for collecting particulate matters contained in exhaust discharged from an internal combustion engine, by restraining generation of ash, a pressure loss of exhaust due to clog the collecting material is prevented. In an exhaust gas purifier for an internal combustion engine which is provided with a collecting material for collecting particulate matters contained in exhaust discharged from the internal combustion engine, ash traps (80, 81) for absorbing phosphorous (P) in exhaust gas are provided upstream of a particulate filter (22). The ash traps (80, 81) load with basic metal. The formation of ash due to combine Phosphorous (P) with calcium (Ca) and to be concentrated in the particulate filter (22) is restrained. <IMAGE>

IPC 1-7

F01N 3/021; **F01N 3/08**; **F01N 3/28**; **B01D 46/24**; **F01N 3/031**

IPC 8 full level

B01D 53/34 (2006.01); **B01D 53/46** (2006.01); **B01D 53/94** (2006.01); **B01J 20/02** (2006.01); **F01N 3/02** (2006.01); **F01N 3/022** (2006.01); **F01N 3/08** (2006.01); **F01N 3/023** (2006.01)

CPC (source: EP)

F01N 3/0222 (2013.01); **F01N 3/0233** (2013.01); **F01N 3/0821** (2013.01); **F01N 3/0842** (2013.01); **F01N 2570/08** (2013.01)

Citation (search report)

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Designated contracting state (EPC)

DE FR

DOCDB simple family (publication)

EP 1267047 A1 20021218; **EP 1267047 B1 20040818**; DE 60200979 D1 20040923; DE 60200979 T2 20050818; JP 2002371824 A 20021226; JP 3632620 B2 20050323

DOCDB simple family (application)

EP 02012935 A 20020611; DE 60200979 T 20020611; JP 2001179326 A 20010613