

Title (en)

Device for elimination of carbon black particulates from an exhaust gas stream of an internal combustion engine

Title (de)

Vorrichtung zur Entfernung von Russpartikeln aus einem Abgasstrom von Verbrennungsmotoren

Title (fr)

Dispositif pour l'élimination des particules de suie d'un courant des gas d'échappement d'un moteur de combustion interne

Publication

**EP 1515012 B1 20061011 (DE)**

Application

**EP 03020688 A 20030911**

Priority

EP 03020688 A 20030911

Abstract (en)

[origin: EP1515012A1] A modular assembly removes soot particles from automotive exhaust gases by oxidation of trapped particles with NO(2). The NO(2) is oxidized by NO exhaust gases in contact with a catalyst in relation to the gas flow speed at a temperature above about 200[deg] C. The module contains one or more layers of open-pored noble metal foam (2).

IPC 8 full level

**F01N 3/023** (2006.01); **F01N 3/28** (2006.01)

CPC (source: EP US)

**F01N 3/0231** (2013.01 - EP US); **F01N 3/2807** (2013.01 - EP US); **F01N 2250/02** (2013.01 - EP US); **F01N 2330/14** (2013.01 - EP US); **F01N 2330/22** (2013.01 - EP US); **F01N 2340/00** (2013.01 - EP US)

Citation (examination)

JP H0979024 A 19970325 - TOYOTA MOTOR CORP

Cited by

CN102410066A; AT504391B1; GB2448648A; US8444734B2; WO2007078855A1; WO2007096085A1; EP3296015A1; WO2018050639A1

Designated contracting state (EPC)

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DOCDB simple family (publication)

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