

Title (en)

Device for the elimination of carbon particles in exhaust gas from internal combustion engines.

Title (de)

Vorrichtung zur Entfernung von Russteilchen aus Verbrennungsabgasen von Dieselmotoren.

Title (fr)

Dispositif d'élimination des particules carbonées contenues dans les gaz d'échappement de moteurs thermiques.

Publication

EP 0412019 B1 19950419 (FR)

Application

EP 90402232 A 19900803

Priority

FR 8910569 A 19890804

Abstract (en)

[origin: EP0412019A1] Device for the elimination of carbon particles contained in the exhaust gases of heat engines, consisting of a filtration element (3 or 4) comprising a gas-channelling envelope containing a filter (34 or 44) and forming a cavity which receives microwaves from a microwave generator (6), characterised in that the generator (6) is connected to the filtration element by a tubular connecting member (7) which enters the envelope through a connecting iris (37 or 47). <IMAGE>

IPC 1-7

F01N 3/02; **H05B 6/70**

IPC 8 full level

F01N 3/028 (2006.01); **F01N 3/032** (2006.01); **H05B 6/70** (2006.01); **H05B 6/80** (2006.01)

CPC (source: EP)

F01N 3/028 (2013.01); **F01N 3/032** (2013.01); **H05B 6/701** (2013.01); **H05B 6/705** (2013.01); **H05B 6/707** (2013.01)

Cited by

FR2701514A1; CN105179049A; EP1541819A1; WO2005056989A1; WO9312629A1; WO2022168116A1; US11578630B2

Designated contracting state (EPC)

DE ES GB IT

DOCDB simple family (publication)

EP 0412019 A1 19910206; **EP 0412019 B1 19950419**; DE 69018727 D1 19950524; DE 69018727 T2 19951123; ES 2071056 T3 19950616; FR 2650627 A1 19910208; FR 2650627 B1 19940916

DOCDB simple family (application)

EP 90402232 A 19900803; DE 69018727 T 19900803; ES 90402232 T 19900803; FR 8910569 A 19890804