

Title (en)

Exhaust gas purification system for the combustion engine of an automotive vehicle and exhaust line comprising such a system

Title (de)

Abgasreinigungsanlage für die Brennkraftmaschine eines Fahrzeuges und Abgasstrecke mit einer solchen Anlage

Title (fr)

Système de purification des gaz d'échappement d'un moteur thermique de véhicule automobile et ligne d'échappement comportant un tel système

Publication

EP 1574680 B1 20081105 (FR)

Application

EP 05290523 A 20050308

Priority

FR 0402550 A 20040311

Abstract (en)

[origin: EP1574680A1] Automobile engine exhaust gas purification system comprises inlet channels with a open front end and a closed rear end, outlet channels with a closed front end and a open rear end, an oxidation catalyst at the front end of the inlet channels, and a catalyst-regenerating plasma discharge system at the rear end of the inlet channels. Automobile engine exhaust gas purification system comprises inlet channels (1) with a open front end and a closed rear end, outlet channels (2) with a closed front end and a open rear end, an oxidation catalyst (5a) comprising a layer of catalyst-impregnated material at the front end of the inlet channels, and a catalyst-regenerating plasma discharge system comprising electrodes (6, 7) that are embedded in a dielectric barrier (5b) at the rear end of the inlet channels and are connected to an electricity supply. An independent claim is also included for an automobile exhaust train comprising a system as above.

IPC 8 full level

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CPC (source: EP)

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