

Title (en)

Engine exhaust treatment system, especially diesel engine, and method for the operation of an engine exhaust treatment system

Title (de)

Abgasbehandlungssystem für eine Brennkraftmaschine, insbesondere Diesel-Brennkraftmaschine, und Verfahren zum Betreiben eines Abgasbehandlungssystems für eine Brennkraftmaschine

Title (fr)

Système de traitement des gaz d'échappement d'un moteur, en particulier moteur diesel, et procédé de fonctionnement d'un système de traitement des gaz d'échappement d'un moteur

Publication

**EP 1533489 A3 20060517 (DE)**

Application

**EP 04023077 A 20040928**

Priority

DE 10354232 A 20031120

Abstract (en)

[origin: EP1533489A2] The exhaust gas treatment system for an internal combustion engine comprises a catalyser (16), and an evaporator/burner unit (20) in the exhaust gas flow path (14) upstream of the catalyser. The evaporator/burner unit has a vaporizing combustion chamber (22) is formed in a housing (21) which is open to the exhaust gas flow path, a vaporizing medium (34) to absorb liquid hydrocarbon and for the emitting of hydrocarbon vapour to the vaporizing combustion chamber, a heater (38) to heat up the vaporizing medium, and an igniter unit (42) to start the combustion of the hydrocarbon vapour. An independent claim is included for a method for the operating of an exhaust gas treatment system.

IPC 8 full level

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CPC (source: EP US)

**F01N 3/025** (2013.01 - EP US); **F01N 3/027** (2013.01 - EP US); **F01N 3/035** (2013.01 - EP US); **F01N 2610/1453** (2013.01 - EP US)

Citation (search report)

- [Y] DE 19504208 A1 19950817 - VOLKSWAGEN AG [DE]
- [Y] EP 1354852 A2 20031022 - EBERSPAECHER J GMBH & CO [DE]
- [A] US 5379592 A 19950110 - WASCHKUTTIS GERHARD [US]
- [A] US 4459805 A 19840717 - KAMIYA SIGERU [JP], et al

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WO2007079832A1; FR2921438A1; WO2008003519A1; WO2020193595A1

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DOCDB simple family (application)

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