

Title (en)

Combustion engine with a supply device for a combustion medium

Title (de)

Brennkraftmaschine mit einer Versorgungseinrichtung für ein Verbrennungsmedium

Title (fr)

Moteur à combustion avec un dispositif d'alimentation d'un moyen de combustion

Publication

EP 1026380 A3 20001213 (DE)

Application

EP 00100513 A 20000112

Priority

DE 19904736 A 19990205

Abstract (en)

[origin: EP1026380A2] I.C. engine (3) has a fuel tank (8) and a supply device (7) for a combustion medium which is fed to a combustion chamber (4a) of the engine as fuel and air and expelled into an exhaust gas line (2) connected to the combustion chamber. An oxidation catalyst (17) and a particle filter (18) are arranged in the exhaust gas line (2) in the flow direction (16). A feed device (12) feeds an additive that reduces the ignition temperature of the particles to the combustion medium after the fuel has left the tank and before the combustion medium reaches the particle filter. An Independent claim is also included for a process for reducing harmful components in I.C. engine exhaust gas.

IPC 1-7

F02D 19/12

IPC 8 full level

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CPC (source: EP)

F01N 3/0231 (2013.01); **F01N 13/009** (2014.06); **F02D 19/12** (2013.01); **F01N 3/28** (2013.01); **F01N 2430/04** (2013.01); **F02D 41/0025** (2013.01); **F02D 41/029** (2013.01)

Citation (search report)

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EP 1026380 A2 20000809; **EP 1026380 A3 20001213**; **EP 1026380 B1 20070425**; AT E360749 T1 20070515; DE 19904736 A1 20000810; DE 50014269 D1 20070606; ES 2283250 T3 20071101

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