

Title (en)

PARTICULATE FILTER REGENERATION METHOD INVOLVING THE INPUT OF A SOLUTION CONTAINING HYDROXYL COMPOUNDS

Title (de)

VERFAHREN ZUM UNTERSTÜTZEN DER REGENERATION VON PARTIKELFILTER DURCH ZUSATZ VON LÖSUNGEN MIT HYDROXYLGRUPPENHALTIGEN VERBINDUNGEN

Title (fr)

PROCEDE DE REGENERATION ASSISTEE DE FILTRE A PARTICULES PAR APPORT DE SOLUTION CONTENANT DES COMPOSES HYDROXYLES

Publication

EP 1165945 A1 20020102 (FR)

Application

EP 00903773 A 20000210

Priority

- FR 0000319 W 20000210
- FR 9902286 A 19990224

Abstract (en)

[origin: FR2789910A1] Regeneration by combustion of a particle filter (6) placed in a vehicle combustion engine exhaust line (5), with a supply, upstream of the filter, of a solution containing components with at least one hydroxyl group, to facilitate the combustion of the particles. The solution supply is provided in the inlet for gases into the engine or in the fuel or directly into the exhaust gases. The solution is introduced continuously or for limited periods. An additional supply provides other chemical components such as iron, sodium or cerium, mixed directly with the fuel. A catalytic phase is deposited on the filter, which also has an energy supply. The solution is aqueous and/or contains alcohol.

IPC 1-7

F01N 3/02; F01N 3/20

IPC 8 full level

F01N 3/023 (2006.01); **F01N 3/029** (2006.01); **F02M 25/00** (2006.01)

CPC (source: EP)

F01N 3/023 (2013.01); **F01N 3/029** (2013.01); **F02M 25/00** (2013.01)

Citation (search report)

See references of WO 0050744A1

Designated contracting state (EPC)

AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE

DOCDB simple family (publication)

FR 2789910 A1 20000825; FR 2789910 B1 20040709; EP 1165945 A1 20020102; WO 0050744 A1 20000831

DOCDB simple family (application)

FR 9902286 A 19990224; EP 00903773 A 20000210; FR 0000319 W 20000210