

Title (en)

EXHAUST FILTER REGENERATION REGIME METHOD AND APPARATUS

Title (de)

ABGASFILTERREGENERATIONSSYSTEM, -VERFAHREN, UND -VORRICHTUNG

Title (fr)

PROCEDE ET DISPOSITIF AYANT TRAIT AU REGIME DE REGENERATION D'UN FILTRE D'ECHAPPEMENT

Publication

**EP 1730390 A1 20061213 (EN)**

Application

**EP 05718046 A 20050316**

Priority

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- GB 0405897 A 20040316
- GB 0426060 A 20041126

Abstract (en)

[origin: WO2005090759A1] An exhaust filter regeneration regime is described in which a filter (20) is regenerated by triggering an exothermic reaction in the filter (20) to burn off particulate load. In order to attain the appropriate regeneration temperatures fuel is injected in the exhaust stream and oxidises upon contact with a catalytic converter (18). A control regime comprises metering fuel injection dependent upon exhaust stream temperature to provide a flexible control regime independent of engine duty cycle.

IPC 8 full level

**F01N 3/025** (2006.01); **F01N 3/027** (2006.01); **F01N 3/035** (2006.01); **F01N 9/00** (2006.01); **F01N 11/00** (2006.01); **F01N 3/05** (2006.01)

CPC (source: EP US)

**F01N 3/0253** (2013.01 - EP US); **F01N 3/027** (2013.01 - EP US); **F01N 3/035** (2013.01 - EP US); **F01N 3/106** (2013.01 - EP US); **F01N 9/002** (2013.01 - EP US); **F01N 9/007** (2013.01 - EP US); **F01N 11/002** (2013.01 - EP US); **F01N 3/05** (2013.01 - EP US); **F01N 3/2033** (2013.01 - EP US); **F01N 2610/03** (2013.01 - EP US); **F01N 2900/0408** (2013.01 - EP US); **Y02T 10/40** (2013.01 - EP US)

Citation (search report)

See references of WO 2005090759A1

Designated contracting state (EPC)

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**GB 2005000998 W 20050316**; EP 05718046 A 20050316; JP 2007503406 A 20050316; US 59133805 A 20050316