

Title (en)

Internal combustion engine exhaust gas control apparatus

Title (de)

Steuerungsverfahren für ein Abgasreinigungssystem und ein Abgasreinigungssystem

Title (fr)

Procédé de commande pour un système de purification des gaz d'échappement et système de purification des gaz d'échappement

Publication

EP 2216531 A1 20100811 (EN)

Application

EP 10153088 A 20100209

Priority

JP 2009027312 A 20090209

Abstract (en)

In an exhaust gas control apparatus, a period of time from after filter regeneration starts in response to a command to regenerate a filter (22) until the filter regeneration has been completed, and which is a period of time during which the filter regeneration is not prohibited, is determined to be a period of time during which the filter is in a filter regeneration incomplete state. A current duration count value is maintained when the internal combustion engine switches to a state other than a filter regenerating state while the filter is in that filter regeneration incomplete state. According to this kind of control, the counter is not reset even if the combustion mode switches to a normal combustion mode while the filter is being regenerated. Instead, the current duration count value is maintained, so the filter regeneration duration can be accurately counted. As a result, oil dilution can be reliably suppressed.

IPC 8 full level

F02D 41/02 (2006.01); **F01N 3/02** (2006.01); **F01N 11/00** (2006.01)

CPC (source: EP)

F02D 41/029 (2013.01)

Citation (applicant)

JP 2008202573 A 20080904 - TOYOTA MOTOR CORP

Citation (search report)

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- [I] JP H05222917 A 19930831 - TOYOTA MOTOR CORP, et al
- [A] EP 1375877 A2 20040102 - NISSAN MOTOR [JP]
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- [A] PATENT ABSTRACTS OF JAPAN vol. 2003, no. 07 3 July 2003 (2003-07-03)
- [A] PATENT ABSTRACTS OF JAPAN vol. 016, no. 010 (M - 1199) 13 January 1992 (1992-01-13)

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Designated contracting state (EPC)

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Designated extension state (EPC)

AL BA RS

DOCDB simple family (publication)

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DOCDB simple family (application)

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