

Title (en)

Method and apparatus for regenerating a NOx storage catalyst

Title (de)

Verfahren und Vorrichtungen zur Regeneration eines NOx-Speicherkatalysators

Title (fr)

Méthode et appareil de régénération d'un catalyseur accumulateur de NOx

Publication

**EP 1209332 A3 20040609 (DE)**

Application

**EP 01250407 A 20011121**

Priority

- DE 10057936 A 20001122
- DE 10057938 A 20001122

Abstract (en)

[origin: EP1209332A2] Process for regenerating a NOx storage catalyst (18) arranged in the exhaust gas channel (14) of a lean-burn I.C. engine comprises extrapolating an oxygen-dependent signal from an oxygen-sensitive measuring device (20) during NOx regeneration; and varying an air-fuel ratio (combustion lambda) fed to the engine during regeneration depending on the extrapolated signal with consideration of a time spread corresponding to an exhaust gas running time between the engine and the catalyst. An Independent claim is also included for a device for regenerating a NOx storage catalyst arranged in the exhaust gas channel of a lean-burn I.C. engine. Preferred Features: The end of the regeneration is determined whilst a time spread corresponding to an exhaust gas running time between the engine and the catalyst is considered. The combustion lambda of the engine peaks at a value which is larger than a prescribed combustion lambda value and 1.

IPC 1-7

**F02D 41/02**; F01N 3/08; F02D 41/14

IPC 8 full level

**F01N 3/08** (2006.01); **F02D 41/02** (2006.01); **F02D 41/14** (2006.01); F01N 13/02 (2010.01)

CPC (source: EP)

**F01N 3/0814** (2013.01); **F01N 13/009** (2014.06); **F02D 41/0275** (2013.01); **F02D 41/1439** (2013.01); **F01N 3/0842** (2013.01); **F02D 41/1454** (2013.01); **F02D 2200/0804** (2013.01); **F02D 2200/0806** (2013.01); **F02D 2200/0814** (2013.01); **F02D 2200/0816** (2013.01)

Citation (search report)

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Designated contracting state (EPC)

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

DOCDB simple family (publication)

**EP 1209332 A2 20020529**; **EP 1209332 A3 20040609**; **EP 1209332 B1 20080625**; **EP 1209332 B8 20080813**; DE 50114044 D1 20080807

DOCDB simple family (application)

**EP 01250407 A 20011121**; DE 50114044 T 20011121