

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

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CPC (source: EP)

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Citation (search report)

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