

Title (en)

Method for controlling of an operating mode of a lean burn internal combustion engine

Title (de)

Verfahren zur Steuerung eines Betriebsmodus einer magerlauffähigen Verbrennungskraftmaschine

Title (fr)

Procédé de commande d'un mode de fonctionnement d'un moteur à combustion interne à mélange pauvre

Publication

EP 1247963 A3 20030917 (DE)

Application

EP 02090054 A 20020213

Priority

DE 10117434 A 20010403

Abstract (en)

[origin: EP1247963A2] Process for controlling an operating modulus of a lean burn IC engine (10) having an exhaust gas tract (14) with a NO_x storage catalyst (20) and a gas sensor (24) comprises allowing a lean operating modulus of the engine with lambda more than 1 depending on threshold values for a temperature of the catalyst and for a further operating parameter of the engine and/or exhaust gas tract; and varying at least one threshold value depending on an actual NO_x storability and/or NO_x convertibility of the catalyst. Preferred Features: The further parameter comprises a NO_x crude emission of the engine and/or a crude emission of a further exhaust gas component. The further exhaust gas component comprises non-combustible hydrocarbons, carbon dioxide and/or carbon monoxide.

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F02D 41/02

IPC 8 full level

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CPC (source: EP)

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Citation (search report)

- [X] WO 0106105 A1 20010125 - VOLKSWAGEN AG [DE], et al
- [DA] DE 19932290 A1 20010111 - VOLKSWAGEN AG [DE]
- [A] WO 9935386 A1 19990715 - FORD GLOBAL TECH INC [US], et al
- [DA] DE 19850786 A1 20000217 - VOLKSWAGEN AG [DE]
- [A] US 5771686 A 19980630 - PISCHINGER STEFAN [DE], et al

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