

Title (en)

Method and apparatus for operating a NOx-sensor located in the exhaust line of an internal combustion engine

Title (de)

Verfahren und Vorrichtung zum Betreiben eines im Abgasweg eines Verbrennungsmotors angeordneten NOx-Sensors

Title (fr)

Procédé et dispositif de commande d'un capteur de NOx situé dans la ligne d'échappement d'un moteur à combustion interne

Publication

EP 1227234 A3 20030402 (DE)

Application

EP 01128691 A 20011201

Priority

DE 10103415 A 20010126

Abstract (en)

[origin: EP1227234A2] The method involves coordinating measurement values of a nitrogen oxides (NOx) sensor in an exhaust system with earlier signals values for the same NOx content. This involves setting a defined engine operating state, detecting at least one NOx sensor value, comparing this with values for the known NOx content, determining the difference, determining a correction value and correcting the measured value with the correction value. An Independent claim is included for an arrangement for determining the nitrogen oxides content in the exhaust gas system of an internal combustion engine.

IPC 1-7

F02D 41/14; **F02D 41/02**; **F02D 41/24**; **F01N 3/08**

IPC 8 full level

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CPC (source: EP)

F01N 3/0842 (2013.01); **F02D 41/0275** (2013.01); **F02D 41/146** (2013.01); **F02D 41/2441** (2013.01); **F02D 41/2474** (2013.01)

Citation (search report)

- [X] DE 19810483 A1 19990923 - BOSCH GMBH ROBERT [DE]
- [X] EP 1041254 A2 20001004 - TOYOTA MOTOR CO LTD [JP]
- [X] DE 19926139 A1 20001214 - VOLKSWAGEN AG [DE]

Cited by

DE102005006262A1; DE102013207999B4; FR2853934A1; DE102012011915A1; CN110702849A; DE102013207999A1; US7412873B2

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