

Title (en)

Method for controlling a NOx storage catalyst

Title (de)

Verfahren zur Steuerung eines NOx-Speicherkatalysators

Title (fr)

Procédé de réglage d'un catalyseur d'accumulation de NOx

Publication

EP 1365131 A3 20040407 (DE)

Application

EP 03090075 A 20030320

Priority

DE 10221568 A 20020508

Abstract (en)

[origin: EP1365131A2] Process for controlling a nitrogen oxides storage catalyst in an internal combustion engine comprises evaluating the actual catalyst behavior with respect to oxygen storage of the oxygen-containing component in the catalyst coating at the start of the regeneration of the storage catalyst, and/or regenerating the nitrogen oxides storage catalyst. Process for controlling a nitrogen oxides storage catalyst in an internal combustion engine comprises evaluating the actual catalyst behavior with respect to oxygen storage of the oxygen-containing component in the catalyst coating at the start of the regeneration of the storage catalyst, and/or regenerating the nitrogen oxides storage catalyst when a prescribed threshold value for the saturation state of the catalyst is reached or increasing the regeneration when the prescribed threshold value for the saturation state of the catalyst is reached neglecting introduction of a reducing agent.

IPC 1-7

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

IPC 8 full level

F01N 3/08 (2006.01); **F01N 3/20** (2006.01); **F02D 41/02** (2006.01); **F02D 41/14** (2006.01); **F01N 13/02** (2010.01)

CPC (source: EP)

F01N 13/009 (2014.06); **F02D 41/0275** (2013.01); **F02D 41/146** (2013.01); **F01N 3/0842** (2013.01); **F01N 2430/06** (2013.01); **F01N 2560/026** (2013.01); **F02D 2200/0802** (2013.01); **F02D 2200/0814** (2013.01)

Citation (search report)

- [XY] WO 9935386 A1 19990715 - FORD GLOBAL TECH INC [US], et al
- [X] WO 0106105 A1 20010125 - VOLKSWAGEN AG [DE], et al
- [Y] DE 19851564 A1 20000511 - SIEMENS AG [DE]
- [X] DE 19929292 A1 20001228 - VOLKSWAGEN AG [DE]

Cited by

DE10360072A1

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LI LU MC NL PT RO SE SI SK TR

DOCDB simple family (publication)

EP 1365131 A2 20031126; **EP 1365131 A3 20040407**; **EP 1365131 B1 20060816**; AT E336650 T1 20060915; DE 10221568 A1 20031204; DE 50304630 D1 20060928

DOCDB simple family (application)

EP 03090075 A 20030320; AT 03090075 T 20030320; DE 10221568 A 20020508; DE 50304630 T 20030320