

Title (en)

METHOD FOR CONTROLLED PURGING OF NITROGEN OXIDE STORING MEANS ASSOCIATED WITH A CATALYTIC CONVERTER

Title (de)

STEUERVERFAHREN ZUM ENTFERNEN VON STICKOXIDEN VON EINEM ABGASKATASLYSATOR

Title (fr)

PROCEDE DE COMMANDE DE PURGE DE MOYENS DE STOCKAGE D'OXYDES D'AZOTE ASSOCIES A UN POT CATALYTIQUE

Publication

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Application

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Priority

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Abstract (en)

[origin: FR2798425A1] When the engine operates with an air/fuel mixture poor in fuel, the method consists in monitoring, with a model managing said storage means, the evolution of storage efficacy (Effstoc) of NOx in the storage means and, when the model indicates that said efficacy is below a predetermined threshold, a purging of said storage means is commanded and said purge is stopped when the model indicates that the remaining amount of stored NOx has fallen below another predetermined threshold value. The invention is characterised in that it consists in correcting an initial value, estimated with the model, of several parameters (QNOx, Effpurge, NSC) of the model, on the basis of a signal delivered by an oxygen probe placed in the flux of gases coming from the converter, the storage means having been previously set in an operational mode such that the parameter being adjusted affects the signal.

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