Title (en)

METHOD FOR CONTROLLING THE PURGE OF A CATALYST CONTAINER TREATING AN INTERNAL COMBUSTION ENGINE EXHAUST GASES

Title (de)

VERFAHREN ZUM STEUERN DER REGENERATION DES ABGASKATALYSATORS EINER BRENNKRAFTMASCHINE

Title (fr)

PROCEDE DE COMMANDE DE PURGE D'UN POT CATALYTIQUE DE TRAITEMENT DES GAZ D'ECHAPPEMENT D'UN MOTEUR A COMBUSTION INTERNE

Publication

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Application

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Abstract (en)

[origin: FR2772428A1] The invention concerns a catalyst container (6) comprising means absorbing nitrogen oxides contained in said gases and a method consisting in starting a purge by increasing the richness (R) of the engine (1) air/fuel mixture supply, on the basis of a richness corresponding to a lean or stoichiometric mixture; evaluating, using a table based on the container (6) temperature (T>cat<) and rate of filling (NS/NSC) with nitrogen oxides, the efficacy (EFFNOX; EFFSTOCK) of the container in absorbing nitrogen oxides when the engine (1) operates with lean mixture, and in starting a purge of the container (6) when said efficacy (EFFNOX; EFFSTOCK) falls below a predetermined value (Eff_min), based on the container (6) temperature (T>cat<). The invention is applicable to an internal engine powering a motor vehicle.

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