Title (en)
METHOD AND CONTROLLER FOR OPERATING A NITROGEN OXIDE (NOX) STORAGE CATALYST

Title (de)
VERFAHREN UND STEUERGERÄT ZUM BETREIBEN EINES STICKOXID (NOx)-SPEICHERKATALYSATORS

Title (fr)
PROCEDE ET ORGANE DE COMMANDE DE FONCTIONNEMENT D'UN CATALYSEUR ACCUMULATEUR D'OXYDES D'AZOTE (NOX)

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Abstract (en)
[origin: WO0208582A1] The invention relates to a method for operating a nitrogen oxide (NOx) storage catalyst (12') on an internal combustion engine (1), in particular in a motor vehicle (1). The nitrogen oxides (NOx) generated by the internal combustion engine (1) are stored in the storage catalyst (12') during a first operating phase and the nitrogen oxides stored in the storage catalyst (12') are released during a second operating phase. The beginning of the second operating phase is determined by means of a nitrogen oxide (NOx) level (mnosp) of the NOx storage catalyst (12'), which is modelled by means of a nitrogen oxide (NOx) storing model (30). According to the invention, in order to be able to determine the beginning and the end of the second operating phase as exactly and reliably as possible, a first value for nitrogen oxide (NOx) mass flow (msnonk s) behind the NOx storage catalyst (12') is determined and the NOx storing model (30) is corrected based on the determined first value (msnonk s).

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