Title (en)
DEVICE AND METHOD FOR CONTROLLING A NOX REGENERATION OF A NOX STORAGE CATALYST

Title (de)
VORRICHTUNG UND VERFAHREN ZUR STEUERUNG EINER NOX-REGENERATION EINES NOX-SPEICHERKATALYSATORS

Title (fr)
DISPOSITIF ET PROCEDE DE COMMANDE D'UNE REGENERATION DE NOX D'UN CATALYSEUR ACCUMULATEUR DE NOX

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Abstract (en)
[origin: WO0151778A1] The invention relates to a method for controlling an NOX regeneration of an NOX storage catalyst that is situated in the exhaust gas system of an internal combustion engine of a vehicle, comprising the following steps: (a) in each lean operating phase of the internal combustion engine, at least one status parameter of the NOX storage catalyst is determined using a measured or calculated NOX crude emission (mroh) of the internal combustion engine and an NOX breakdown emission (m) detected downstream in the exhaust gas by an NOX-sensitive measuring device; (b) a deviation of the status parameter of a current lean operating phase from the status parameters of a preceding lean operating phase is determined and (c) in the event that regeneration is necessary, an NOX regeneration is carried out n times according to the deviation (multiple NOX regeneration). The invention also relates to a device which has means for carrying out the steps of the inventive method.

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