

Title (en)

METHOD FOR OPERATION OF A NO<sub>x</sub> STORAGE CATALYST IN INTERNAL COMBUSTION ENGINES

Title (de)

VERFAHREN ZUM BETRIEB EINES NO<sub>x</sub>-SPEICHERKATALYSATORS BEI BRENNKRAFTMASCHINEN

Title (fr)

DISPOSITIF D'UTILISATION D'UN CATALYSEUR A ACCUMULATEUR DE NO<sub>x</sub> DANS DES MOTEURS A COMBUSTION INTERNE

Publication

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Application

**EP 00991568 A 20001229**

Priority

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- DE 19963624 A 19991229

Abstract (en)

[origin: WO0149985A1] A method for the regeneration of a NO<sub>x</sub> store, in the exhaust of an internal combustion engine is disclosed, whereby, in the case of an excess of oxygen in the exhaust gas, NO<sub>x</sub> is removed from the exhaust gas and in the case of an oxygen deficiency, NO<sub>x</sub> is regenerated by the addition of nitrogen. Said method comprises alternating between a first phase, with an oxygen excess and a second phase, with an oxygen deficiency in the exhaust gas, whereby the oxygen deficiency in the exhaust gas, for regeneration of the storage catalyst, is generated by a fixed, constantly maintained mass of excess fuel in the exhaust gas prior to the NO<sub>x</sub> store.

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