

Title (en)
EXHAUST GAS AFTERTREATMENT INSTALLATION AND METHOD

Title (de)
ABGASNACHBEHANDLUNGSEINRICHTUNG UND -VERFAHREN

Title (fr)
DISPOSITIF ET PROCEDE DE POST-TRAITEMENT DE GAZ D'ECHAPPEMENT

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Application
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Priority

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Abstract (en)
[origin: WO2004061278A1] The invention relates to an exhaust gas aftertreatment installation comprising a nitrogen oxide storage catalyst and an SCR catalyst and to a corresponding exhaust gas aftertreatment method. According to the invention, a particle filter is provided upstream of the nitrogen oxide storage catalyst or between the latter and the SCR catalyst or downstream of the SCR catalyst and/or an NO₂ producing catalyst upstream of the SCR catalyst. The time of the regeneration mode of the nitrogen oxide storage catalyst can be determined depending on the nitrogen oxide content of the exhaust gas downstream of the nitrogen oxide storage catalyst or the SCR catalyst and/or its ammonia charge. Also, a desired ammonia production quantity can be determined for the respective regeneration mode. The invention also relates to the use of the inventive installation and method, for example for mainly lean-mix automotive internal combustion engines.

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