

Title (en)

METHOD AND DEVICE FOR TREATING EXHAUST GASES OF INTERNAL COMBUSTING ENGINES

Title (de)

VERFAHREN UND VORRICHTUNG ZUR BEHANDLUNG VON ABGASEN VON VERBRENNUNGSKRAFTMASCHINEN

Title (fr)

PROCEDE ET DISPOSITIF POUR TRAITER LES GAZ D'ECHAPPEMENT DE MOTEURS A COMBUSTION INTERNE

Publication

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Application

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Abstract (en)

[origin: WO2006128712A1] The invention relates to an exhaust gas treating device comprising a particle separator (101), an SCR catalyst (102) for selectively reducing nitrogen oxides and an ammonia generator (103) for producing the ammonia in the form of a selective reduction agent for reducing said nitrogen oxides, wherein the particle separator (101) is placed in a main exhaust gas line (104), the ammonia generator (103) is mounted in a first auxiliary line (105) leading to the main exhaust gas line (104) opening, which is embodied in such a way that a gas flow containing the ammonia produced in the ammonia generator (103) is enable to pass through the SCR catalyst (102). The inventive method and device make it possible to simultaneously reduce the content in particles and nitrogen oxides (NOx) of the exhaust gases of an internal combustion engine (100), wherein the power consumption for said reduction is limited and the device can be entirely produced in the form of a compact unit.

IPC 8 full level

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