

Title (en)
DEVICE FOR ELIMINATING HARMFUL CONSTITUENTS FROM EXHAUST GASES OF INTERNAL COMBUSTION ENGINES

Title (de)
VORRICHTUNG ZUR BESEITIGUNG VON SCHÄDLICHEN BESTANDTEILEN AUS ABGASEN VON BRENNKRAFTMASCHINEN

Title (fr)
DISPOSITIF PERMETTANT D'ELIMINER DES COMPOSANTS NOCIFS DES GAZ D'ECHAPPEMENT DE MOTEURS A COMBUSTION INTERNE

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Application
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Abstract (en)
[origin: WO2007031074A1] The invention relates to a device for eliminating harmful constituents from exhaust gases of internal combustion engines, having a first housing, wherein in the front region, a first structure comprising a plurality of interconnected cavities covers the cross section of the first housing at least in regions, which first structure is followed in the housing, in any order, by: at least one second structure which comprises a plurality of interconnected cavities and comprises at least one first metal oxide and/or is at least partially coated with said metal oxide, at least one third structure which comprises a plurality of interconnected cavities and comprises at least one catalyst for converting or decomposing pollutants and/or is at least partially coated with said catalyst, and at least one fourth structure which covers the cross section of the first housing at least in regions, comprises a plurality of interconnected cavities and comprises at least one second metal oxide, wherein the first housing is made of in particular porous aluminium oxide, mullite, cordierite, silicon nitride, tialite, steatite, zircon, zircon dioxide and/or silicon carbide, or is coated with aluminium oxide, mullite, cordierite, silicon nitride, tialite, steatite, zircon, zircon dioxide and/or silicon carbide.

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