

Title (en)

PARTICULATE FILTER REGENERATION METHOD FOR A MOTOR VEHICLE

Title (de)

TEILCHENFILTERREGENERATIONSVERFAHREN FÜR EIN KRAFTFAHRZEUG

Title (fr)

PROCEDE DE REGENERATION DE FILTRE A PARTICULES POUR VEHICULE AUTOMOBILE

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Application

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Priority

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Abstract (en)

[origin: WO03076775A1] The invention relates to a method for the regeneration of a particulate filter (7) arranged on an exhaust line (5) of an engine (3) of a motor vehicle (1), wherein the charge of said filter (7) is evaluated by means of a model wherein $P = f(Q_{vol}, \text{soot mass})$, and $P = P_{up} - P_{down}$, and $Q_{vol} = K * (Q_{air} + p_{fuel} * Q_{carb}) * N * T_{up} / P_{up}$, or P_{up} et P_{down} are the pressures measured respectively upstream and downstream from said particulate filter (7). The inventive method is characterized in that P_{down} is modelled and in that P_{up} is determined by means of the relation $P_{up} = P + P_{down}$.

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See references of WO 03076775A1

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