

Title (en)  
EXHAUST GAS AFTERTREATMENT INSTALLATION COMPRISING A REVERSE FLOW HOUSING, AND CORRESPONDING EXHAUST GAS AFTERTREATMENT METHOD

Title (de)  
ABGASNACHBEHANDLUNGSANLAGE MIT EINEM GEGENSTROMGEH USE, SOWI E ENTSPRECHENDES VERFAHREN ZUR ABGASNACHBEHANDLUNG

Title (fr)  
SYSTEME DE RETRAITEMENT DES GAZ D'ECHAPPEMENT POURVU D'UNE ENVELOPPE A RETOUR ET PROCEDE DE RETRAITEMENT DES GAZ D'ECHAPPEMENT CORRESPONDANT

Publication  
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Application  
**EP 04739722 A 20040609**

Priority  
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Abstract (en)  
[origin: WO2005001252A1] The invention relates to an exhaust gas aftertreatment installation (1), especially for use near the internal combustion engine of an automobile. Said installation comprises a housing (2), having a catalytic converter (3), surrounded by at least one return flow area (6) through which the fluid can flow in a substantially free manner. Said catalytic converter (3) has a first face (14), a second face (16) and cavities (10) through which a fluid can flow in a forward flow direction (15). The first face (14) of the at least one catalytic converter (3) is linked with at least one gas supply pipe (13) and at least one gas discharge pipe (25) is linked with the at least one return flow area (6) in a substantially gas-tight manner. At least one flow deflection means (17) effects deflection (20) of the fluid from the catalytic converter (3) to the return flow area (6) of the housing (2) through which the fluid can flow in a substantially free manner. The inventive exhaust gas aftertreatment installation (1) is compact in design, has a better light-off performance and reduced alternating thermal stresses as compared to conventional exhaust gas aftertreatment installations.

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IPC 8 full level  
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Citation (search report)  
See references of WO 2005001252A1

Citation (third parties)  
Third party :  
WO 0104466 A1 20010118 - JOHNSON MATTHEY PLC [GB], et al

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