

Title (en)

STRUCTURE FOR FILTERING AN INTERNAL ENGINE EXHAUST GASES AND ASSOCIATED EXHAUST LINE

Title (de)

ANORDNUNG ZUM FILTERN DER ABGASE EINES VERBRENNUNGSMOTORS UND DAZUGEHÖRIGE ABGASSTRECKE

Title (fr)

STRUCTURE DE FILTRATION DES GAZ D'ECHAPPEMENT D'UN MOTEUR A COMBUSTION INTERNE ET LIGNE D'ECHAPPEMENT ASSOCIEE

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Application

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Abstract (en)

[origin: US7503170B2] The invention concerns a structure (11) comprising a filtering member (21) comprising intake conduits (35) for the gases to be filtered, and conduits (37) for extracting the filtered gases, separated from the intake conduits (35) by porous filtering walls (43). The intake conduits (35) emerge into openings (49) for discharging respective residues, provided downstream of the respective intake openings (47). The openings discharging residues (49) of the intake conduits (35) open into a common manifold (25) for receiving solid filtering residues, forming counter-pressure means for the intake conduits (35). Said manifold (25) is isolated from the extracting conduits (37). The invention is applicable to particulate filters for exhaust gases of a motor vehicle diesel engine.

IPC 8 full level

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