

Title (en)
HONEYCOMB BODY WITH CROSS-SECTIONAL AREA FRAMED IN THE INTERIOR, PARTICULARLY FOR SMALL-POWER MOTORS

Title (de)
WABENKÖRPER MIT IM INNEREN EINGERAHMTEM QUERSCHNITTSBEREICH, INSBESONDERE FÜR KLEINMOTOREN

Title (fr)
CORPS EN NID-D'ABEILLES AVEC ZONE DE SECTION TRANSVERSALE ENCADREE A L'INTERIEUR, EN PARTICULIER POUR PETITS MOTEURS

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Application
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Abstract (en)
[origin: DE19704689A1] The invention relates to a catalyst (1) in a housing (3) for an exhaust gas system of an internal combustion engine, in particular of a small-power motor, in which the catalyst (1) has at least one structured sheet metal (2) comprising a catalytically active material, said sheet metal being undulated, having channels through which the exhaust gas can flow, and being located at least partially on the housing (3). The invention is characterized in that the structure of the sheet metal (2) is such that, when seen from a cross-section of the housing (3), a cross-sectional area framed by closed channels (5) forms at least half the total cross-section of the housing (3), while the catalyst (1) has at most two layers (11). The invention further relates to a method for the production of a catalyst support body which is fitted in an exhaust system of an internal combustion engine, in particular in a sound absorber of a small-power motor. This method is characterized in that a structured sheet metal is wound obliquely around an at least partially curved, oblong body; at least part of the oblong body having the wound sheet metal is then cut into several sections; and each section forms a catalyst support body.

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