

Title (en)
HONEYCOMB BODY STRUCTURE WITH SUPPORTING SECTIONS

Title (de)
WABENKÖRPERANORDNUNG MIT TRAGABSCHNITTEN

Title (fr)
SYSTEME DE CORPS ALVEOLAIRE COMPORTANT DES SECTIONS PORTEUSES

Publication
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Application
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Abstract (en)
[origin: US6316384B1] A honeycomb body configuration includes a metal housing accommodating a honeycomb body having a plurality of channels separated from one another by dividing walls. The honeycomb body has varying radial strength along its periphery. A compensation layer is disposed at least in partial regions of the periphery between the housing and the honeycomb body. The compensation layer has at least two support sections in the peripheral direction of the honeycomb body which exert greater forces in the radial direction upon the honeycomb body than outside the support sections in remaining peripheral regions. The support sections are disposed in regions where the honeycomb body has greater radial strength. Steps can be taken to produce the support sections on the compensation layer, by using support segments on the housing and/or beads on the honeycomb body, in each case in the peripheral regions of greater strength. The invention is particularly suitable for simple and sound installation of thin-walled extruded ceramic honeycomb bodies in metal housings.

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