

Title (en)  
HONEYCOMB BODY STRUCTURE WITH SUPPORTING SECTIONS

Title (de)  
WABENKÖRPERANORDNUNG MIT TRAGABSCHNITTEN

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

Publication  
**EP 1019617 A1 20000719 (DE)**

Application  
**EP 98958845 A 19980929**

Priority

- DE 19743196 A 19970930
- DE 29800038 U 19980102
- EP 9806171 W 19980929

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.

IPC 1-7  
**F01N 3/28**; **B01J 35/04**

IPC 8 full level  
**B01D 53/86** (2006.01); **B01D 53/94** (2006.01); **B01J 35/04** (2006.01); **F01N 3/28** (2006.01)

CPC (source: EP US)  
**B01D 53/9454** (2013.01 - EP US); **B01J 35/56** (2024.01 - EP US); **F01N 3/2853** (2013.01 - EP US); **F01N 3/2857** (2013.01 - EP US); **F01N 3/2864** (2013.01 - EP US); **F01N 3/2878** (2013.01 - EP US); **F01N 2330/06** (2013.01 - EP US); **Y02A 50/20** (2017.12 - EP US); **Y02T 10/12** (2013.01 - EP US); **Y10T 428/24149** (2015.01 - EP US)

Citation (search report)  
See references of WO 9917006A1

Designated contracting state (EPC)  
DE FR

DOCDB simple family (publication)  
**US 6316384 B1 20011113**; BR 9812396 A 20000912; CN 1272161 A 20001101; EP 1019617 A1 20000719; JP 2001518589 A 20011016; RU 2208686 C2 20030720; WO 9917006 A1 19990408

DOCDB simple family (application)  
**US 53924400 A 20000330**; BR 9812396 A 19980929; CN 98809616 A 19980929; EP 9806171 W 19980929; EP 98958845 A 19980929; JP 2000514050 A 19980929; RU 2000109969 A 19980929