

Title (en)

HONEYCOMB BODY COMPRISING AT LEAST ONE SPACE-SAVING SENSOR AND CORRESPONDING LAMBDA PROBE

Title (de)

WABENKÖRPER MIT MINDESTENS EINEM PLATZSPARENDEN MESSFÜHLER, SOWIE ENTSPRECHENDE LAMBDA-SONDE

Title (fr)

CORPS A ALVEOLES COMPRENANT AU MOINS UN CAPTEUR PEU ENCOMBRANT, ET SONDE LAMBDA CORRESPONDANTE

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Application

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Abstract (en)

[origin: WO2005056987A2] The invention relates to a honeycomb body (1), which can be traversed by a fluid, in particular the exhaust gas of an internal combustion engine, at least partially in a traversing direction (15). Said body comprises a plurality of at least partially traversable cavities (4) that form a honeycomb structure (2), the latter (2) being located in a casing (3) and at least one sensor (7), which comprises at least a first sub-section (8) and a second sub-section (9). At least the second sub-section (9) of the sensor (7) extends into the honeycomb structure (2) and penetrates at least part of the cavities (4) and at least the first sub-section (8) extends beyond the casing (3). Said honeycomb body is characterised in that the first (8) and the second sub-section (9) are configured in a substantially rigid manner and form an angle (W) that is different from 180 degrees on a first plane (18) that encompasses the traversing direction (15) of the honeycomb body (1) and/or on a second plane (19) that runs perpendicular to the traversing direction (15) of the honeycomb body (1). In the inventive honeycomb body (1), the angled construction of the sensor permits said body (1) to have a space-saving construction that comprises at least one sensor (7).

IPC 8 full level

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