

Title (en)  
GAS FILTER STRUCTURE HAVING A VARIABLE WALL THICKNESS

Title (de)  
GASFILTERSTRUKTUR MIT EINER VARIABLEN WANDDICKE

Title (fr)  
STRUCTURE DE FILTRATION D'UN GAZ A EPAISSEUR DE PAROI VARIABLE

Publication  
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Application  
**EP 09721517 A 20090310**

Priority

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Abstract (en)  
[origin: WO2009115753A2] The invention relates to a structure for filtering gases laden with particulates, of the honeycomb type and comprising a set of longitudinal adjacent channels of mutually parallel axes separated by porous filtering walls, said channels being alternately blocked off at one or other of the ends of the structure so as to define entry channels and exit channels for the gas to be filtered, and so as to force said gas to pass through the porous walls separating the entry and exit channels, said structure being characterized in that the entry and exit channels share between them at least one wall having an average thickness  $d$  which is constant over the entire length of the filter structure, in that the entry or exit channels share between them at least one wall having an average thickness  $e$  which is constant over the entire length of the filter structure and in that the ratio  $e/d$  is strictly greater than 1.

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