

Title (en)

A DIESEL SOOT PARTICULATE FILTER MEDIUM

Title (de)

DIESELRUSSPARTIKELFILTERMEDIUM

Title (fr)

PRODUIT FILTRANT DE PARTICULES DE SUIE DE DIESEL

Publication

**EP 1979066 A1 20081015 (EN)**

Application

**EP 06818902 A 20061129**

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- EP 06818902 A 20061129

Abstract (en)

[origin: WO2007079829A1] A diesel soot particulate filter medium as subject of the present invention has an inflow side and an outflow side, and comprises at least n consecutive layers L<sub>x</sub> of fiber media, x varying from 1 to n, n being more than 2. L<sub>1</sub> provides the inflow side of the diesel soot particulate filter and L<sub>n</sub> provides the outflow side of the diesel soot particulate filter medium. Each layer L<sub>x</sub> has a porosity P<sub>x</sub>. All layers L<sub>x</sub>, for which 1=x=n-1, have a substantially equal porosity to P<sub>h</sub>, layer L<sub>n</sub> having a porosity P<sub>s</sub>, P<sub>h</sub> being larger than P<sub>s</sub>. Also according to the present invention, a diesel soot particulate filter medium comprises at least n consecutive layers L<sub>x</sub> of fiber media, x varying between 1 and n, n being more than 3. L<sub>1</sub> provides the inflow side of the diesel soot particulate filter and L<sub>n</sub> provides the outflow side of the diesel soot particulate filter medium. For at least m layers L<sub>X<SUB>i</SUB></sub>, 1=i=m, m being at least 1 and m being less than n/2, L<sub>X<SUB>i</SUB></sub> being different from L<sub>n</sub> and L<sub>X<SUB>i</SUB></sub> being different from L<sub>1</sub>, P<sub>X<SUB>i</SUB></sub> is smaller than its neighboring layers.

IPC 8 full level

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Citation (search report)

See references of WO 2007079829A1

Citation (examination)

- WO 2005030373 A1 20050407 - BEKAERT SA NV [BE], et al
- DE 1996059 U 19681107 - WMF WUERTTEMBERG METALLWAREN [DE]

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