

Title (en)

PARTICLE FILTER COMPRISING A METALLIC FIBROUS LAYER

Title (de)

PARTIKELFILTER UMFASSEND EINE METALLISCHE FASERLAGE

Title (fr)

FILTRE A PARTICULES COMPRENANT UNE COUCHE DE FIBRES METALLIQUE

Publication

**EP 1702143 A1 20060920 (DE)**

Application

**EP 04804244 A 20041223**

Priority

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Abstract (en)

[origin: WO2005066469A1] The invention relates to a particle filter (1) consisting of an envelope (2) and at least one body (3) comprising at least one metallic fibrous layer (4) that is arranged in such a way that a plurality of spatially separated flow paths (5) are formed through the body (3), said flow paths respectively comprising a flow restrictor (6) at at least one point. The inventive particle filter is characterised in that the at least one metallic fibrous layer (4) has a superficial heat capacity of between 400 and 1200 joules per Kelvin and square metre [J/Km<sup>2</sup>], providing the particle filter with an especially high particle storage capacity and regeneration capacity.

IPC 8 full level

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CPC (source: EP KR US)

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