

Title (en)

Particulate filter system for diesel engine

Title (de)

Partikelfiltersystem für einen Dieselmotor

Title (fr)

Système de filtre à particules pour moteur diesel

Publication

**EP 1126138 A1 20010822 (EN)**

Application

**EP 00301208 A 20000216**

Priority

EP 00301208 A 20000216

Abstract (en)

A particulate filter system for a diesel engine is disclosed in which particulate matter suspended in the exhaust gases is first charged negatively at an upstream metal screen(12) and then trapped on a downstream metal screen(13). Cooling means(3) is located within an exhaust tract(19) through which the exhaust gases from the engine pass. Filter means(1) is arranged immediately downstream of the cooling means(3). The filter means(1) is comprised of a filter medium(11) arranged in a casing(2) to trap the particulate matter contained in the exhaust gases, an upstream metal screen(12) arranged upstream of the filter medium(11) and biased negatively to charge negatively the particulate matter, and a downstream metal screen(13) arranged downstream of the filter medium(11) and biased positively to attract the particulate matter that has been charged negatively. <IMAGE>

IPC 1-7

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IPC 8 full level

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CPC (source: EP)

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Citation (search report)

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