

Title (en)

Tubular apparatus for separation and combustion of soot particles, and method for cleaning particles from exhaust gas and specially from diesel exhaust gas

Title (de)

Rohrförmige Vorrichtung zur Abscheidung und Verbrennung von Russteilchen in Abgasströmen, insbesondere Dieselmotoren, und Verfahren zum Entfernen von Russteilchen in Abgasströmen, insbesondere Dieselmotoren

Title (fr)

Dispositif tubulaire pour la séparation et la combustion de particules d'échappement, et procédés pour l'élimination de ces particules, particulièrement d'échappement diesel

Publication

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Application

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Priority

DE 10058824 A 20001127

Abstract (en)

[origin: EP1209330A1] Tubular device for depositing and combusting soot particles, especially diesel exhaust particulates, comprises a catalyst reducing the soot ignition point temperature applied as a coating to a first filter (1). A second filter (2) at least partially surrounds the first filter in the longitudinal and/or radial direction so that waste gas containing soot particles passes through the first filter and the soot particles are deposited on the first filter and the second filter, and at the same time the waste gas used for combusting the soot particles is conditioned on the first filter. An independent claim is also included for a method for removing soot particles from exhaust gases, especially diesel exhaust gases, using the above device. Preferred Features: The second filter is coated with a further ignition point-lowering substance and/or with the catalyst conditioning the exhaust gas.

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