

Title (en)

Method of oxidizing soot and reducing soot accumulation in a diesel fuel combustion after treatment system

Title (de)

Verfahren zur Russoxydation und Russanhäufungsverminderung in einem Dieselmotorkraftstoffverbrennungsnachbehandlungssystem.

Title (fr)

Procédé d'oxydation de la suie et de réduction de l'accumulation de suie dans un appareil de post-traitement de combustion de diésel.

Publication

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Application

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Priority

US 27161802 A 20021016

Abstract (en)

A method of reducing the negative effects of ash accumulation in a diesel fuel combustion system involves supplying a diesel fuel comprising an additive (preferably manganese compound) to the system (where the system comprises a diesel particulate filter), combusting the fuel to produce at least one byproduct comprising the manganese compound which is complexed with the combustion byproduct. Independent claims are also included for: (1) a method of reducing engine backpressure after filter regeneration; and (2) a method of scavenging combustion by product poisons.

IPC 1-7

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