

Title (en)

SYSTEM CONTAINING OXYGEN ENRICHED DIESEL PARTICULATE FILTER AND METHOD THEREOF

Title (de)

EINEN SAUERSTOFFANGEREICHERTEN DIESELTEILCHENFILTER ENTHALTENDES SYSTEM UND VERFAHREN DAFÜR

Title (fr)

SYSTEME COMPRENANT UN FILTRE A PARTICULES DIESEL A ENRICHISSEMENT EN OXYGENE ET PROCEDE ASSOCIE

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Application

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Priority

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Abstract (en)

[origin: WO2005035951A1] A system for treatment of exhaust emissions from a compression-ignited internal combustion engine comprises (A) a superatmospheric-pressurized source of gaseous oxygen, (B) an inlet for the gaseous oxygen of component (A) where the exhaust emissions from the engine flow past the inlet and form a mixture with the gaseous oxygen from the inlet, and (C) a diesel particulate filter or catalyzed diesel particulate filter through which the mixture of engine exhaust emissions and gaseous oxygen flows, where the oxygen content of the mixture is greater than the oxygen content of the exhaust emissions from the engine. A method for improving the performance of a diesel particulate filter or catalyzed diesel particulate filter in a compression-ignited internal combustion engine comprises operating the engine and treating the exhaust emissions from the engine with the exhaust emissions treatment system.

IPC 8 full level

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