

Title (en)

Diesel fuel additives containing cerium or manganese and detergents

Title (de)

Dieselmotoren-Zusätze mit Cer oder Mangan und Reinigungsmitteln

Title (fr)

Additifs de carburant diesel contenant du cérium et du manganèse et des détergents

Publication

EP 1905813 A3 20080528 (EN)

Application

EP 07251694 A 20070423

Priority

US 53320006 A 20060919

Abstract (en)

[origin: EP1905813A2] Provided herein is a diesel fuel additive composition comprising cerium oxide nanoparticles, optionally a manganese compound, a detergent, and a demulsifier. In one embodiment, the demulsifier has relatively low phosphorus concentration to thereby improve the solubility of the components and the thermal stability and clarity of the resulting diesel fuel. Also provided are methods for improving fuel economy, reducing smoke production, inhibiting deposition of sludge, and improving storage stability.

IPC 8 full level

C10L 1/10 (2006.01); **C10L 1/12** (2006.01); **C10L 10/18** (2006.01)

CPC (source: EP US)

C10L 1/10 (2013.01 - EP US); **C10L 1/106** (2013.01 - EP US); **C10L 1/1233** (2013.01 - EP US); **C10L 10/02** (2013.01 - EP US); **C10L 10/12** (2013.01 - EP US); **C10L 10/18** (2013.01 - EP US); **C10L 1/1616** (2013.01 - EP US); **C10L 1/18** (2013.01 - EP US); **C10L 1/1822** (2013.01 - EP US); **C10L 1/1981** (2013.01 - EP US); **C10L 1/1985** (2013.01 - EP US); **C10L 1/1988** (2013.01 - EP US); **C10L 1/221** (2013.01 - EP US); **C10L 1/231** (2013.01 - EP US); **C10L 1/2383** (2013.01 - EP US); **C10L 1/2387** (2013.01 - EP US); **C10L 1/301** (2013.01 - EP US)

Citation (search report)

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Designated contracting state (EPC)

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DOCDB simple family (publication)

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EP 07251694 A 20070423; CN 200710103476 A 20070518; RU 2007121261 A 20070606; TR 200702712 A 20070424; US 53320006 A 20060919