

Title (en)

FUEL ADDITIVES FOR MITIGATING INJECTOR NOZZLE FOULING AND REDUCING PARTICULATE EMISSIONS

Title (de)

KRAFTSTOFFADDITIVE ZUR MINDERUNG DER VERSCHMUTZUNG VON INJEKTORDÜSEN UND ZUR REDUZIERUNG VON PARTIKELEMISSIONEN

Title (fr)

ADDITIFS DE CARBURANT POUR ATTÉNUER L'ENCRASSEMENT D'UNE BUSE D'INJECTEUR ET RÉDUIRE LES ÉMISSIONS DE PARTICULES

Publication

EP 4179047 A1 20230517 (EN)

Application

EP 21740216 A 20210707

Priority

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- IB 2021056075 W 20210707

Abstract (en)

[origin: WO2022009105A1] The present disclosure provides a fuel composition that includes hydrocarbon-based fuel boiling in the gasoline or diesel range; an amine-based detergent given by formula $R_1-O-(CH_2)_m-NHR_2$, wherein the additive is present in about 10 ppm to about 750 ppm by weight based on total weight of the fuel composition; wherein R_1 is a hydrocarbyl group having 8 to 20 carbons, R_2 is hydrogen or $(CH_2)_nNH_2$ moiety, and wherein m, n are independently integers having a value of 3 or greater; and one or more nitrogen-containing detergent.

IPC 8 full level

C10L 1/10 (2006.01); **C10L 1/222** (2006.01); **C10L 1/224** (2006.01); **C10L 1/23** (2006.01); **C10L 1/238** (2006.01); **C10L 1/2387** (2006.01); **C10L 10/02** (2006.01); **C10L 10/06** (2006.01)

CPC (source: EP US)

C10L 1/22 (2013.01 - EP); **C10L 1/2225** (2013.01 - US); **C10L 10/02** (2013.01 - EP US); **C10L 10/04** (2013.01 - EP US); **C10L 1/222** (2013.01 - EP); **C10L 1/2222** (2013.01 - EP US); **C10L 1/224** (2013.01 - EP); **C10L 1/238** (2013.01 - EP); **C10L 1/2383** (2013.01 - EP); **C10L 1/2387** (2013.01 - EP); **C10L 2200/0423** (2013.01 - EP); **C10L 2200/0446** (2013.01 - EP); **C10L 2270/023** (2013.01 - EP)

Citation (search report)

See references of WO 2022009105A1

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KH MA MD TN

DOCDB simple family (publication)

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