

Title (en)

FUEL COMPOSITIONS COMPRISING A C4-C8 ALKYL LEVULINATE

Title (de)

BRENNSTOFFZUSAMMENSETZUNGEN MIT EINEM LÄVULINSÄURE-C4-C8-ALKYLESTER

Title (fr)

COMPOSITIONS DE COMBUSTIBLE COMPRENANT UN LEVULINATE D'ALKYLE C4-C8

Publication

EP 1685217 B1 20121212 (EN)

Application

EP 04818157 A 20041108

Priority

- EP 2004052845 W 20041108
- EP 03257073 A 20031110
- EP 04818157 A 20041108

Abstract (en)

[origin: WO2005044960A1] A fuel composition comprising a gas oil base fuel and an alkyl levulinate, wherein said alkyl levulinate is a C4_8 alkyl levulinate. The alkyl levulinate is selected from C4_g alkyl levulinates for the purpose of ensuring a phase separation temperature of said fuel composition below a predetermined level.

IPC 8 full level

C10L 1/19 (2006.01); **C10L 1/18** (2006.01)

CPC (source: EP US)

C10L 1/19 (2013.01 - EP US)

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LU MC NL PL PT RO SE SI SK TR

DOCDB simple family (publication)

WO 2005044960 A1 20050519; AU 2004287631 A1 20050519; BR PI0416356 A 20070313; CA 2545170 A1 20050519; CA 2545170 C 20131022; CN 1886488 A 20061227; EP 1685217 A1 20060802; EP 1685217 B1 20121212; JP 2007510787 A 20070426; JP 5132937 B2 20130130; NO 20062725 L 20060612; US 2005144835 A1 20050707; ZA 200603455 B 20070829

DOCDB simple family (application)

EP 2004052845 W 20041108; AU 2004287631 A 20041108; BR PI0416356 A 20041108; CA 2545170 A 20041108; CN 200480035308 A 20041108; EP 04818157 A 20041108; JP 2006538850 A 20041108; NO 20062725 A 20060612; US 98561304 A 20041110; ZA 200603455 A 20060502