

Title (en)

USE OF EFFICIENCY REVEAL COMPOUNDS OF FILTERABILITY ADDITIVES IN HYDROCARBON DISTILLATES, AND FUEL COMPOSITION COMPRISING THEM

Title (de)

VERWENDUNG VON EFFIZIENZANZEIGENDEN VERBINDUNGEN AUS FILTERBARKEITSZUSÄTZEN IN KOHLENWASSERSTOFFDISTILLATEN UND BRENNSTOFFZUSAMMENSETZUNG DAMIT

Title (fr)

UTILISATION DE COMPOSÉS REVELATEURS D'EFFICACITÉ DES ADDITIFS DE FILTRABILITÉ DANS DES DISTILLATS HYDROCARBONÉS, ET COMPOSITION DE CARBURANT LES CONTENANT

Publication

EP 2049625 B1 20180704 (FR)

Application

EP 07823255 A 20070706

Priority

- FR 2007001153 W 20070706
- FR 0606254 A 20060710

Abstract (en)

[origin: CA2657341A1] The invention relates to the use, in a hydrocarbon distillate with a boiling temperature of between 150 and 450°C and a crystallization onset temperature as measured by Differential Calorimetric Analysis of greater than or equal to -50°C, preferably of -5°C to +10°C, of a homopolymer obtained from an olefinic ester of carboxylic acid of 3 to 12 carbon atoms and from a fatty alcohol containing a chain of more than 16 carbon atoms and optionally an olefinic double bond, as a compound for revealing the efficiency of filterability additives based on copolymer and/or terpolymers of ethylene and of vinyl ester of a carboxylic acid of 3 to 12 carbon atoms, and of a monoalcohol containing 1 to 10 carbon atoms. The invention is also directed to an additive composition comprising a conventional hydrocarbon filterability additive in combination with an efficiency reveal additive, and also to the combustion fuels, motor fuel and oil fuel that comprise these additive combinations.</S DOAB>

IPC 8 full level

C10L 1/195 (2006.01); **C10L 1/196** (2006.01); **C10L 1/197** (2006.01); **C10L 10/14** (2006.01); **C10L 10/16** (2006.01)

CPC (source: EP KR US)

C10L 1/08 (2013.01 - KR); **C10L 1/12** (2013.01 - KR); **C10L 1/146** (2013.01 - EP KR US); **C10L 1/18** (2013.01 - EP US);
C10L 1/195 (2013.01 - EP KR US); **C10L 1/1963** (2013.01 - KR); **C10L 1/1973** (2013.01 - KR); **C10L 10/14** (2013.01 - EP US);
C10L 10/16 (2013.01 - EP KR US); **C10L 1/1963** (2013.01 - EP US); **C10L 1/1973** (2013.01 - EP US); **C10L 2200/0438** (2013.01 - EP US);
C10L 2200/0446 (2013.01 - EP US); **C10L 2230/14** (2013.01 - EP US); **C10L 2250/04** (2013.01 - EP US); **C10L 2270/026** (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 LT LU LV MC MT NL PL PT RO SE SI SK TR

DOCDB simple family (publication)

FR 2903418 A1 20080111; FR 2903418 B1 20120928; AR 061965 A1 20080810; BR PI0714136 A2 20121225; BR PI0714136 B1 20181211;
BR PI0714136 B8 20190813; CA 2657341 A1 20080117; CA 2657341 C 20141028; CN 101511974 A 20090819; CN 101511974 B 20131009;
EA 019894 B1 20140730; EA 200970105 A1 20090630; EP 2049625 A2 20090422; EP 2049625 B1 20180704; EP 3399009 A1 20181107;
IL 196430 A0 20090922; IL 196430 A 20130228; JP 2009542887 A 20091203; JP 2013076093 A 20130425; JP 5386045 B2 20140115;
KR 101535507 B1 20150709; KR 101606056 B1 20160324; KR 20090045232 A 20090507; KR 20150011006 A 20150129;
NO 20090589 L 20090408; UA 94957 C2 20110625; US 2010058653 A1 20100311; US 2017002283 A1 20170105;
US 2017037332 A1 20170209; US 9481845 B2 20161101; UY 30474 A1 20080902; WO 2008006965 A2 20080117;
WO 2008006965 A3 20080228

DOCDB simple family (application)

FR 0606254 A 20060710; AR P070103024 A 20070706; BR PI0714136 A 20070706; CA 2657341 A 20070706; CN 200780032666 A 20070706;
EA 200970105 A 20070706; EP 07823255 A 20070706; EP 18176465 A 20070706; FR 2007001153 W 20070706; IL 19643009 A 20090111;
JP 2009518923 A 20070706; JP 2013012919 A 20130128; KR 20097002674 A 20070706; KR 20147035645 A 20070706;
NO 20090589 A 20090206; UA A200901028 A 20070706; US 201615265229 A 20160914; US 201615332162 A 20161024;
US 37326107 A 20070706; UY 30474 A 20070709