

Title (en)

METHODS AND USES FOR CONTROLLING SLUDGE IN ENGINES

Title (de)

VERFAHREN UND VERWENDUNGEN ZUR KONTROLLE VON SCHLÄMME IN MOTOREN

Title (fr)

PROCÉDÉS ET UTILISATIONS POUR MAÎTRISER LES BOUES DANS DES MOTEURS

Publication

EP 3191567 A1 20170719 (EN)

Application

EP 15763555 A 20150910

Priority

- GB 201416073 A 20140911
- EP 2015070690 W 20150910

Abstract (en)

[origin: WO2016038129A1] The use as a sludge controlling additive in a fuel composition for a spark-ignition internal combustion engine or a compression-ignition gasoline internal combustion engine of a combination of: a. a hydrocarbyl-substituted aromatic compound; and b. a polyalkylene amine. The fuel composition may also be used for maintaining oil pathways and/or lubrication in an engine.

IPC 8 full level

C10L 1/22 (2006.01)

CPC (source: CN EP US)

C10L 1/22 (2013.01 - CN EP US); **C10L 10/04** (2013.01 - US); **C10L 1/221** (2013.01 - CN EP US); **C10L 1/222** (2013.01 - CN EP US); **C10L 1/223** (2013.01 - CN EP US); **C10L 1/236** (2013.01 - US); **C10L 2200/0423** (2013.01 - US); **C10L 2200/0446** (2013.01 - US); **C10L 2270/023** (2013.01 - CN EP US); **C10L 2270/026** (2013.01 - US)

Citation (search report)

See references of WO 2016038129A1

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

WO 2016038129 A1 20160317; AU 2015314192 A1 20170323; CN 107001960 A 20170801; EP 3191567 A1 20170719; GB 201416073 D0 20141029; US 2017260470 A1 20170914

DOCDB simple family (application)

EP 2015070690 W 20150910; AU 2015314192 A 20150910; CN 201580061245 A 20150910; EP 15763555 A 20150910; GB 201416073 A 20140911; US 201515510477 A 20150910