

Title (en)
RESIDUAL FUEL OIL ADDITIVE

Title (de)
RÜCKSTANDSÖLADDITIV

Title (fr)
ADDITIF POUR FUEL LOURD

Publication
EP 1979443 A2 20081015 (EN)

Application
EP 06846019 A 20061221

Priority
• US 2006049113 W 20061221
• US 75331805 P 20051221

Abstract (en)
[origin: WO2007076052A2] Fuel additives are disclosed for high-asphaltene carbonaceous fuels such as residual fuel oil or coal. Such additives provide improved combustion characteristics. Such improved combustion characteristics include one or both of improved efficiency and decreased emissions of pollutants. In particular, the fuel additives include an extract from a plant such as fescue, alfeque, or alfalfa, and optionally, an organometallic compound. The use of a fuel additive including both a plant extract and an organometallic compound is particularly useful in improving the combustion characteristics of fuels with particularly high asphaltene content.

IPC 8 full level
C10L 1/00 (2006.01)

CPC (source: EP KR US)
C10L 1/10 (2013.01 - EP US); **C10L 1/1241** (2013.01 - KR); **C10L 1/1802** (2013.01 - KR); **C10L 1/1886** (2013.01 - KR);
C10L 1/305 (2013.01 - KR); **C10L 9/10** (2013.01 - EP US); **C10L 9/12** (2013.01 - EP KR US); **C10L 10/02** (2013.01 - EP KR US);
C10L 1/1241 (2013.01 - EP US); **C10L 1/1802** (2013.01 - EP US); **C10L 1/1886** (2013.01 - EP US); **C10L 1/305** (2013.01 - EP US);
Y02E 50/10 (2013.01 - EP KR US); **Y02E 50/30** (2013.01 - EP KR US)

Citation (search report)
See references of WO 2007076052A2

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 NL PL PT RO SE SI SK TR

DOCDB simple family (publication)
WO 2007076052 A2 20070705; WO 2007076052 A3 20071122; BR PI0620432 A2 20111108; CA 2634733 A1 20070705;
CN 101384687 A 20090311; EP 1979443 A2 20081015; JP 2009521580 A 20090604; KR 20080089425 A 20081006;
MX 2008008128 A 20081017; US 2009165365 A1 20090702

DOCDB simple family (application)
US 2006049113 W 20061221; BR PI0620432 A 20061221; CA 2634733 A 20061221; CN 200680053187 A 20061221; EP 06846019 A 20061221;
JP 2008547633 A 20061221; KR 20087017763 A 20080721; MX 2008008128 A 20061221; US 15867106 A 20061221