

Title (en)

COMPOSITION AND METHOD FOR REDUCING FRICTION IN INTERNAL COMBUSTION ENGINES

Title (de)

ZUSAMMENSETZUNG UND VERFAHREN ZUR REIBUNGSMINDERUNG BEI VERBRENNUNGSMOTOREN

Title (fr)

COMPOSITION ET MÉTHODE POUR LA RÉDUCTION DES FROTTEMENTS DANS LES MOTEURS À COMBUSTION INTERNE

Publication

**EP 2516602 A1 20121031 (EN)**

Application

**EP 10798666 A 20101215**

Priority

- US 28846309 P 20091221
- US 2010060457 W 20101215

Abstract (en)

[origin: US2011146143A1] A fuel composition comprising a combustible fuel, an effective friction reducing amount of at least one C6 to C30 aliphatic amine, and a detergent package is disclosed, as well as a method of reducing the amount of friction in an internal combustion engine by adding the fuel composition to the engine.

IPC 8 full level

**C10L 1/22** (2006.01); **C10L 10/08** (2006.01)

CPC (source: EP US)

**C10L 1/143** (2013.01 - EP US); **C10L 1/22** (2013.01 - EP US); **C10L 10/00** (2013.01 - EP US); **C10L 10/02** (2013.01 - EP US);  
**C10L 10/04** (2013.01 - EP US); **C10L 10/08** (2013.01 - EP US); **C10L 1/1852** (2013.01 - EP US); **C10L 1/191** (2013.01 - EP US);  
**C10L 1/2222** (2013.01 - EP US); **C10L 1/2383** (2013.01 - EP US)

Citation (search report)

See references of WO 2011084457A1

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

DOCDB simple family (publication)

**US 2011146143 A1 20110623**; AU 2010340059 A1 20120712; CN 102666813 A 20120912; EP 2516602 A1 20121031; NZ 600693 A 20140328;  
RU 2012126348 A 20140127; WO 2011084457 A1 20110714; ZA 201204588 B 20141126

DOCDB simple family (application)

**US 96982010 A 20101216**; AU 2010340059 A 20101215; CN 201080058162 A 20101215; EP 10798666 A 20101215; NZ 60069310 A 20101215;  
RU 2012126348 A 20101215; US 2010060457 W 20101215; ZA 201204588 A 20120620