

Title (en)  
A DIESEL MOTOR HAVING IMPROVED PROPERTIES

Title (de)  
DIESELMOTOR MIT VERBESSERTEN EIGENSCHAFTEN

Title (fr)  
MOTEUR DIESEL AYANT DES PROPRIÉTÉS AMÉLIORÉES

Publication  
**EP 2633011 A1 20130904 (EN)**

Application  
**EP 11776785 A 20111028**

Priority  
• US 40827410 P 20101029  
• EP 2011069042 W 20111028

Abstract (en)  
[origin: WO2012056022A1] The present invention describes a motor designed for biodiesel compatibility comprising a particulate filter, a motor control unit being able to inject fuel to the engine in order to increase the exhaust temperature, and a lubricant composition, characterized in that the lubricant composition comprises at least one ester group containing polymer.

IPC 8 full level  
**C10M 145/02** (2006.01); **C10M 145/14** (2006.01); **C10N 30/02** (2006.01); **C10N 40/25** (2006.01)

CPC (source: EP KR US)  
**C10M 145/02** (2013.01 - EP KR US); **C10M 145/14** (2013.01 - EP KR US); **F01N 3/00** (2013.01 - US); **F02M 37/04** (2013.01 - KR); **C10M 2209/062** (2013.01 - EP US); **C10M 2209/084** (2013.01 - EP US); **C10M 2209/086** (2013.01 - EP US); **C10M 2217/022** (2013.01 - EP US); **C10M 2217/028** (2013.01 - EP US); **C10M 2221/02** (2013.01 - EP US); **C10N 2030/02** (2013.01 - EP KR US); **C10N 2030/78** (2020.05 - EP US); **C10N 2040/25** (2013.01 - KR); **C10N 2040/252** (2020.05 - EP US)

Citation (search report)  
See references of WO 2012056022A1

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)  
**WO 2012056022 A1 20120503**; BR 112013010017 A2 20160802; CA 2816375 A1 20120503; CN 103201362 A 20130710; EP 2633011 A1 20130904; JP 2013544328 A 20131212; KR 20140066968 A 20140603; MX 2013004243 A 20130603; RU 2013124369 A 20141210; SG 189514 A1 20130531; US 2013219868 A1 20130829

DOCDB simple family (application)  
**EP 2011069042 W 20111028**; BR 112013010017 A 20111028; CA 2816375 A 20111028; CN 201180052418 A 20111028; EP 11776785 A 20111028; JP 2013535456 A 20111028; KR 20137013606 A 20111028; MX 2013004243 A 20111028; RU 2013124369 A 20111028; SG 2013031067 A 20111028; US 201113881263 A 20111028