

Title (en)
DIESEL ENGINE OILS

Title (de)
DIESELMOTORÖLE

Title (fr)
HUILES POUR MOTEUR DIESEL

Publication
EP 2791295 A4 20150513 (EN)

Application
EP 12856638 A 20121205

Priority
• US 201113329062 A 20111216
• US 2012067852 W 20121205

Abstract (en)
[origin: US2013157910A1] A lubricating oil additive composition comprising a first carboxylate detergent having a TBN of the actives of greater than about 200 to about 400; a second carboxylate detergent having a TBN of the actives of greater than about 60 to about 200; and at least one polyalkenyl succinimide

IPC 8 full level
C10M 161/00 (2006.01); **C10M 129/26** (2006.01); **C10M 149/12** (2006.01); **C10M 163/00** (2006.01); **C10N 40/25** (2006.01)

CPC (source: EP US)
C10M 163/00 (2013.01 - EP US); **C10M 2203/1006** (2013.01 - EP US); **C10M 2207/026** (2013.01 - EP US); **C10M 2207/26** (2013.01 - EP US); **C10M 2207/262** (2013.01 - EP US); **C10M 2215/064** (2013.01 - EP US); **C10M 2215/086** (2013.01 - EP US); **C10M 2215/28** (2013.01 - EP US); **C10M 2217/043** (2013.01 - EP US); **C10M 2227/066** (2013.01 - EP US); **C10N 2030/10** (2013.01 - EP US); **C10N 2030/12** (2013.01 - EP US); **C10N 2030/52** (2020.05 - EP US); **C10N 2040/24** (2013.01 - EP US)

Citation (search report)
• [XAI] EP 1209218 A1 20020529 - INFINEUM INT LTD [GB]
• [X] EP 2011855 A2 20090107 - CHEVRON TEXACO JAPAN LTD [JP]
• [X] EP 1195426 A1 20020410 - INFINEUM INT LTD [GB]
• [A] EP 1676902 A1 20060705 - CHEVRONTEXACO JAPAN LTD [JP]
• See references of WO 2013090083A1

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 2013157910 A1 20130620; CA 2852488 A1 20130620; CN 103917631 A 20140709; EP 2791295 A1 20141022; EP 2791295 A4 20150513; JP 2015500393 A 20150105; SG 11201401680W A 20141030; WO 2013090083 A1 20130620

DOCDB simple family (application)
US 201113329062 A 20111216; CA 2852488 A 20121205; CN 201280055049 A 20121205; EP 12856638 A 20121205; JP 2014547283 A 20121205; SG 11201401680W A 20121205; US 2012067852 W 20121205