

Title (en)
MARINE DIESEL ENGINE LUBRICATING OIL COMPOSITION

Title (de)
SCHMIERÖLZUSAMMENSETZUNG FÜR SCHIFFSDIESELMOTOR

Title (fr)
COMPOSITIONS D'HUILE LUBRIFIANTE POUR MOTEUR DIESEL MARIN

Publication
EP 3250663 A2 20171206 (EN)

Application
EP 16743963 A 20160126

Priority

- US 201562107577 P 20150126
- US 201562108701 P 20150128
- US 2016014926 W 20160126

Abstract (en)
[origin: US2016215234A1] A marine diesel lubricating oil composition having a TBN from about 5 to about 120 containing a base oil of lubricating viscosity, an overbased alkylaryl C10-40 sulfonate detergent and an overbased isomerized C10-40 normal alpha olefin based phenate detergent, wherein the weight ratio of the overbased sulfonate detergent to the overbased isomerized normal alpha olefin based phenate detergent ranges from 1:9 to 9:1.

IPC 8 full level
C10M 105/38 (2006.01); **C10M 125/10** (2006.01); **C10M 135/02** (2006.01)

CPC (source: EP KR US)
C10M 101/02 (2013.01 - KR); **C10M 135/02** (2013.01 - EP KR US); **C10M 135/10** (2013.01 - EP KR US); **C10M 159/20** (2013.01 - EP US); **C10M 159/24** (2013.01 - EP KR US); **C10M 169/04** (2013.01 - KR); **C10M 169/042** (2013.01 - EP US); **C10M 2203/1006** (2013.01 - EP US); **C10M 2203/1025** (2013.01 - EP KR US); **C10M 2207/028** (2013.01 - EP KR US); **C10M 2219/0406** (2013.01 - KR); **C10M 2219/046** (2013.01 - EP US); **C10M 2219/089** (2013.01 - EP US); **C10M 2223/045** (2013.01 - EP US); **C10N 2010/04** (2013.01 - EP US); **C10N 2020/071** (2020.05 - EP US); **C10N 2030/02** (2013.01 - EP US); **C10N 2030/04** (2013.01 - EP US); **C10N 2030/08** (2013.01 - EP US); **C10N 2030/10** (2013.01 - EP US); **C10N 2030/26** (2020.05 - EP US); **C10N 2040/252** (2020.05 - EP US)

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)
US 2016215234 A1 20160728; CN 107406784 A 20171128; EP 3250663 A2 20171206; EP 3250663 A4 20180627; JP 2018504498 A 20180215; KR 20170137709 A 20171213; SG 11201706060X A 20170830; WO 2016123106 A2 20160804; WO 2016123106 A3 20161006

DOCDB simple family (application)
US 201615006639 A 20160126; CN 201680007190 A 20160126; EP 16743963 A 20160126; JP 2017539322 A 20160126; KR 20177023605 A 20160126; SG 11201706060X A 20160126; US 2016014926 W 20160126