

Title (en)

MARINE DIESEL CYLINDER LUBRICANT OIL COMPOSITIONS

Title (de)

SCHMIERÖLZUSAMMENSETZUNG FÜR SCHIFFSDIESELZYLINDER

Title (fr)

COMPOSITIONS D'HUILES LUBRIFIANTES POUR CYLINDRES DE MOTEURS DIESEL MARINS

Publication

**EP 3215591 A1 20170913 (EN)**

Application

**EP 15790598 A 20151106**

Priority

- US 201462076309 P 20141106
- EP 2015075988 W 20151106

Abstract (en)

[origin: WO2016071518A1] Disclosed herein are marine diesel cylinder lubricating oil compositions comprising (a) a major amount of one or more Group II basestocks, and (b) a detergent composition comprising (i) one or more alkaline earth metal salts of an alkyl-substituted hydroxyaromatic carboxylic acid having a total base number (TBN) greater than 250, and (ii) one or more high over based alkyl aromatic sulfonic acids or salts thereof; wherein the aromatic moiety of the alkyl aromatic sulfonic acids or salts thereof contains no hydroxyl groups; and wherein the marine diesel cylinder lubricating oil composition has a TBN of about 5 to about 120.

IPC 8 full level

**C10M 141/08** (2006.01); **C10M 169/04** (2006.01); **C10N 10/04** (2006.01); **C10N 30/04** (2006.01); **C10N 30/08** (2006.01); **C10N 40/25** (2006.01)

CPC (source: CN EP KR US)

**C10M 129/54** (2013.01 - KR US); **C10M 135/10** (2013.01 - KR US); **C10M 141/08** (2013.01 - CN KR); **C10M 169/04** (2013.01 - CN KR US); **C10M 169/042** (2013.01 - EP US); **C10M 2203/1006** (2013.01 - CN EP KR US); **C10M 2203/1025** (2013.01 - CN EP KR US); **C10M 2207/028** (2013.01 - EP US); **C10M 2207/144** (2013.01 - EP US); **C10M 2207/26** (2013.01 - CN); **C10M 2207/262** (2013.01 - CN EP KR US); **C10M 2215/28** (2013.01 - EP US); **C10M 2219/046** (2013.01 - CN EP KR US); **C10N 2010/04** (2013.01 - CN EP KR US); **C10N 2020/04** (2013.01 - EP US); **C10N 2030/04** (2013.01 - CN EP KR US); **C10N 2030/06** (2013.01 - EP KR US); **C10N 2030/08** (2013.01 - CN EP US); **C10N 2030/12** (2013.01 - EP US); **C10N 2030/40** (2020.05 - EP US); **C10N 2030/45** (2020.05 - EP US); **C10N 2030/52** (2020.05 - CN EP US); **C10N 2040/252** (2020.05 - CN EP US)

C-Set (source: EP US)

1. **C10M 2207/262** + **C10N 2010/04**
2. **C10M 2219/046** + **C10N 2010/04**

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)

**WO 2016071518 A1 20160512**; CN 107075404 A 20170818; CN 118222347 A 20240621; EP 3215591 A1 20170913; EP 3215591 B1 20210630; JP 2017533330 A 20171109; JP 6810033 B2 20210106; KR 102613191 B1 20231214; KR 20170082544 A 20170714; SG 11201703714X A 20170629; US 2017107443 A1 20170420; US 2022403283 A1 20221222

DOCDB simple family (application)

**EP 2015075988 W 20151106**; CN 201580060225 A 20151106; CN 202410331873 A 20151106; EP 15790598 A 20151106; JP 2017524037 A 20151106; KR 20177013778 A 20151106; SG 11201703714X A 20151106; US 201514934541 A 20151106; US 202217689839 A 20220308