

Title (en)
LUBRICANT FOR A MARINE ENGINE

Title (de)
SCHMIERMITTEL FÜR EINEN SCHIFFSMOTOR

Title (fr)
LUBRIFIANT POUR MOTEUR MARIN

Publication
EP 2994521 B1 20190807 (FR)

Application
EP 14722191 A 20140506

Priority
• FR 1354182 A 20130507
• EP 2014059232 W 20140506

Abstract (en)
[origin: WO2014180843A1] The present invention concerns a lubricant for a marine engine comprising at least one base oil, at least one overbased detergent, at least one neutral detergent and at least one fatty amine.

IPC 8 full level
C10M 163/00 (2006.01); **C10M 133/06** (2006.01); **C10N 10/02** (2006.01); **C10N 10/04** (2006.01); **C10N 30/02** (2006.01); **C10N 30/04** (2006.01); **C10N 30/08** (2006.01); **C10N 30/10** (2006.01); **C10N 30/12** (2006.01); **C10N 40/25** (2006.01)

CPC (source: EP RU US)
C10M 101/00 (2013.01 - RU); **C10M 101/02** (2013.01 - US); **C10M 129/06** (2013.01 - US); **C10M 129/10** (2013.01 - US); **C10M 133/06** (2013.01 - EP US); **C10M 135/10** (2013.01 - US); **C10M 163/00** (2013.01 - EP RU US); **C10M 169/00** (2013.01 - RU); **C10M 169/04** (2013.01 - US); **C10M 2203/1006** (2013.01 - EP US); **C10M 2203/1085** (2013.01 - EP US); **C10M 2207/021** (2013.01 - EP US); **C10M 2207/028** (2013.01 - EP US); **C10M 2207/26** (2013.01 - EP US); **C10M 2207/262** (2013.01 - EP US); **C10M 2215/04** (2013.01 - EP US); **C10M 2215/28** (2013.01 - EP US); **C10M 2219/046** (2013.01 - EP US); **C10N 2010/02** (2013.01 - EP US); **C10N 2010/04** (2013.01 - EP US); **C10N 2020/02** (2013.01 - 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 2030/12** (2013.01 - EP US); **C10N 2030/52** (2020.05 - EP US); **C10N 2040/252** (2020.05 - EP US); **C10N 2070/02** (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

DOCDB simple family (publication)
WO 2014180843 A1 20141113; AR 096204 A1 20151216; BR 112015028034 A2 20170912; CN 105189721 A 20151223; CN 105189721 B 20181016; EP 2994521 A1 20160316; EP 2994521 B1 20190807; ES 2751683 T3 20200401; FR 3005474 A1 20141114; FR 3005474 B1 20160909; HK 1217509 A1 20170113; JP 2016521308 A 20160721; JP 6324492 B2 20180516; KR 20160006736 A 20160119; RU 2015152024 A 20170614; RU 2015152024 A3 20180329; RU 2667063 C2 20180914; US 2016177216 A1 20160623; US 9896639 B2 20180220

DOCDB simple family (application)
EP 2014059232 W 20140506; AR P140101845 A 20140506; BR 112015028034 A 20140506; CN 201480025857 A 20140506; EP 14722191 A 20140506; ES 14722191 T 20140506; FR 1354182 A 20130507; HK 16105631 A 20160517; JP 2016512342 A 20140506; KR 20157034816 A 20140506; RU 2015152024 A 20140506; US 201414888477 A 20140506