

Title (en)
Marine Engine Lubrication

Title (de)
Schmierung für einen Schiffsmotor

Title (fr)
Lubrification de moteur marin

Publication
EP 2607463 A1 20130626 (EN)

Application
EP 12196697 A 20121212

Priority
• EP 11195004 A 20111221
• EP 12196697 A 20121212

Abstract (en)
A two-stroke or four-stroke marine engine lubricating oil composition comprising an oil of lubricating viscosity in a major amount and (A) additives, in respective minor amounts; and (B) an olefin copolymer viscosity modifier. Preferably, brightstock is completely or substantially absent from the composition.

IPC 8 full level
C10M 143/08 (2006.01); **C10M 169/04** (2006.01); **C10N 20/02** (2006.01); **C10N 30/06** (2006.01); **C10N 40/25** (2006.01)

CPC (source: EP KR US)
C10M 143/04 (2013.01 - US); **C10M 143/08** (2013.01 - EP US); **C10M 169/00** (2013.01 - KR); **C10M 171/00** (2013.01 - KR); **C10M 2203/1006** (2013.01 - EP US); **C10M 2203/108** (2013.01 - EP US); **C10M 2203/1085** (2013.01 - EP US); **C10M 2205/022** (2013.01 - EP US); **C10M 2205/024** (2013.01 - EP US); **C10M 2205/028** (2013.01 - EP US); **C10M 2205/04** (2013.01 - EP US); **C10M 2205/10** (2013.01 - EP US); **C10N 2020/00** (2013.01 - EP US); **C10N 2020/02** (2013.01 - EP US); **C10N 2030/06** (2013.01 - EP US); **C10N 2030/52** (2020.05 - EP US); **C10N 2040/25** (2013.01 - KR); **C10N 2040/252** (2020.05 - EP US)

Citation (applicant)
• WO 9964543 A1 19991216 - MOBIL OIL CORP [US]
• US 2008287329 A1 20081120 - LANCON DENIS [FR], et al

Citation (search report)
• [Y] WO 2011077811 A1 20110630 - JX NIPPON OIL & ENERGY CORP [JP], et al
• [Y] WO 2007121039 A2 20071025 - LUBRIZOL CORP [US], et al
• [Y] EP 1300458 A1 20030409 - MITSUI CHEMICALS INC [JP], et al
• [Y] EP 1795580 A1 20070613 - MITSUI CHEMICALS INC [JP], et al
• [Y] WO 9964543 A1 19991216 - MOBIL OIL CORP [US]
• [Y] US 2008287329 A1 20081120 - LANCON DENIS [FR], et al
• [Y] EP 1985688 A1 20081029 - LUBRIZOL CORP [US]
• [Y] US 2008085847 A1 20080410 - TSE KWOK-LEUNG [US], et al

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)
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DOCDB simple family (application)
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