

Title (en)  
Lubricant composition

Title (de)  
Schmiermittelzusammensetzung

Title (fr)  
Composition d'huile lubrifiante

Publication  
**EP 1522572 B1 20161116 (EN)**

Application  
**EP 03256376 A 20031009**

Priority  
EP 03256376 A 20031009

Abstract (en)  
[origin: EP1522572A1] A marine diesel cylinder lubricant composition having a total base number of at least 30. The composition includes at least 40 wt% of an oil of lubricating viscosity, at least one detergent prepared from at least two surfactants, preferably phenate and sulphonate surfactants, at least one boron-containing dispersant providing at least 100 ppm of boron, and at least one zinc-containing antiwear additive, preferably a zinc dihydrocarbyl dithiophosphate, providing at least 230 ppm, preferably at least 250 ppm, of zinc. <??>The marine diesel cylinder lubricant composition exhibits reduced wear even when used with high sulphur fuels.

IPC 8 full level  
**C10M 163/00** (2006.01); **C10M 169/04** (2006.01); **C10M 129/10** (2006.01); **C10M 133/12** (2006.01); **C10M 137/10** (2006.01); **C10M 139/00** (2006.01); **C10M 159/22** (2006.01); **C10M 159/24** (2006.01); **C10N 10/02** (2006.01); **C10N 10/04** (2006.01); **C10N 20/00** (2006.01); **C10N 30/04** (2006.01); **C10N 30/06** (2006.01); **C10N 30/10** (2006.01); **C10N 40/25** (2006.01)

CPC (source: EP US)  
**C10M 163/00** (2013.01 - EP US); **C10M 2207/028** (2013.01 - EP US); **C10M 2207/262** (2013.01 - EP US); **C10M 2215/28** (2013.01 - EP US); **C10M 2219/046** (2013.01 - EP US); **C10M 2223/045** (2013.01 - EP US); **C10N 2010/04** (2013.01 - EP US); **C10N 2030/04** (2013.01 - EP US); **C10N 2030/06** (2013.01 - EP US); **C10N 2030/52** (2020.05 - EP US); **C10N 2040/252** (2020.05 - EP US); **C10N 2060/14** (2013.01 - EP US)

Cited by  
WO2007047446A1; EP1728849A1; AU2006202228B2; AU2006202228A8; AU2006202228B8; WO2011066059A1; US7939478B2; US8377857B2; EP1963469B1; EP1903093B1

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DOCDB simple family (publication)  
**EP 1522572 A1 20050413; EP 1522572 B1 20161116**; AU 2004218713 A1 20050428; AU 2004218713 B2 20090611; CA 2484391 A1 20050409; CA 2484391 C 20111206; CN 103351908 A 20131016; CN 1637126 A 20050713; ES 2604192 T3 20170303; JP 2005113151 A 20050428; JP 2012144747 A 20120802; JP 5436615 B2 20140305; SG 111306 A1 20050530; US 2005153847 A1 20050714

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