

Title (en)
LUBRICANT OIL COMPOSITION

Title (de)
SCHMIERÖLZUSAMMENSETZUNG

Title (fr)
COMPOSITION D'HUILE LUBRIFIANTE

Publication
EP 3115444 A4 20171101 (EN)

Application
EP 15759206 A 20150304

Priority
• JP 2014041897 A 20140304
• JP 2015056384 W 20150304

Abstract (en)
[origin: EP3115444A1] Provided is a lubricating oil composition favorable for reducing friction in a sliding mechanism equipped with a piston ring and a liner, in a device having the sliding mechanism. The lubricating oil composition contains a lubricant base oil, (1) a polymethacrylate and/or an olefin copolymer having a mass-average molecular weight of 100,000 to 600,000, and (2) an ester-type ashless friction modifier and/or an amine-type ashless friction modifier, and has a shear viscosity at 150°C of 2.3 mPa·s or more and less than 3.7 mPa·s.

IPC 8 full level
C10M 161/00 (2006.01); **C10M 129/66** (2006.01); **C10M 129/68** (2006.01); **C10M 129/95** (2006.01); **C10M 133/04** (2006.01); **C10M 133/16** (2006.01); **C10M 133/56** (2006.01); **C10M 139/00** (2006.01); **C10M 143/00** (2006.01); **C10M 145/14** (2006.01); **C10N 10/04** (2006.01); **C10N 20/02** (2006.01); **C10N 20/04** (2006.01); **C10N 30/00** (2006.01); **C10N 30/06** (2006.01); **C10N 40/02** (2006.01); **C10N 40/25** (2006.01)

CPC (source: EP US)
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Citation (search report)
• [X] EP 2438148 A1 20120411 - LUBRIZOL CORP [US]
• [XP] WO 2015022976 A1 20150219 - JX NIPPON OIL & ENERGY CORP [JP] & EP 3037505 A1 20160629 - JX NIPPON OIL & ENERGY CORP [JP]
• [X] WO 2014021350 A1 20140206 - IDEMITSU KOSAN CO [JP] & EP 2883946 A1 20150617 - IDEMITSU KOSAN CO [JP]
• [X] JP 2013159734 A 20130819 - JX NIPPON OIL & ENERGY CORP & EP 2813563 A1 20141217 - JX NIPPON OIL & ENERGY CORP [JP]
• [X] EP 2439259 A1 20120411 - JX NIPPON OIL & ENERGY CORP [JP]
• [X] EP 2343357 A1 20110713 - JX NIPPON OIL & ENERGY CORP [JP]
• See references of WO 2015133529A1

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