

Title (en)

SYSTEM LUBRICANT OIL COMPOSITION FOR CROSSHEAD-TYPE DIESEL ENGINE

Title (de)

SYSTEMSCHMIERÖLZUSAMMENSETZUNG FÜR DIESELMOTOR IN KREUZKOPFBAUART

Title (fr)

COMPOSITION D'HUILE LUBRIFIANTE POUR SYSTÈMES POUR MOTEUR DIESEL DE TYPE À CROSSE

Publication

EP 2518135 A1 20121031 (EN)

Application

EP 10839048 A 20101008

Priority

- JP 2009292336 A 20091224
- JP 2009292337 A 20091224
- JP 2010067773 W 20101008

Abstract (en)

The present invention provides a system lubricating oil composition for a crosshead-type diesel engine, which can prevent fuel efficiency deterioration by suppressing the viscosity increase and comprises a mineral base oil and/or a synthetic base oil, (A) (a-1) a star polymer having a vinyl aromatic hydrocarbon structure in the molecule and/or (a-2) an ethylene- \pm -olefin copolymer or a hydrogenated compound thereof and having a base number of 4 to 20 mgKOH/g and a 100°C kinematic viscosity of 7.5 to 15.0 mm²/s.

IPC 8 full level

C10M 143/10 (2006.01); **C10M 143/02** (2006.01); **C10M 143/08** (2006.01); **C10N 10/04** (2006.01); **C10N 20/00** (2006.01); **C10N 20/02** (2006.01); **C10N 30/02** (2006.01); **C10N 30/08** (2006.01); **C10N 30/10** (2006.01); **C10N 40/25** (2006.01)

CPC (source: EP US)

C10M 143/02 (2013.01 - EP US); **C10M 143/08** (2013.01 - EP US); **C10M 143/10** (2013.01 - EP US); **C10M 2203/1006** (2013.01 - EP US); **C10M 2203/1025** (2013.01 - EP US); **C10M 2203/1085** (2013.01 - EP US); **C10M 2205/022** (2013.01 - EP US); **C10M 2205/026** (2013.01 - EP US); **C10M 2205/04** (2013.01 - EP US); **C10M 2207/028** (2013.01 - EP US); **C10M 2207/262** (2013.01 - EP US); **C10M 2209/084** (2013.01 - EP US); **C10M 2215/28** (2013.01 - EP US); **C10M 2219/044** (2013.01 - EP US); **C10M 2223/045** (2013.01 - EP US); **C10N 2020/02** (2013.01 - EP US); **C10N 2020/073** (2020.05 - EP US); **C10N 2030/02** (2013.01 - EP US); **C10N 2030/08** (2013.01 - EP US); **C10N 2030/10** (2013.01 - EP US); **C10N 2030/52** (2020.05 - EP US); **C10N 2030/54** (2020.05 - EP US); **C10N 2040/25** (2013.01 - EP US); **C10N 2040/252** (2020.05 - EP US); **C10N 2040/255** (2020.05 - EP US)

Cited by

FR3080383A1; EP2762551A4; EP2781587A1; WO2019202150A1; WO2015142482A1; US9528060B2; EP2762551B1

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)

EP 2518135 A1 20121031; **EP 2518135 A4 20130724**; **EP 2518135 B1 20150107**; **EP 2518135 B2 20220126**; CN 102686712 A 20120919; CN 102686712 B 20140625; KR 101728192 B1 20170418; KR 20120123374 A 20121108; SG 181737 A1 20120730; US 2012258898 A1 20121011; WO 2011077811 A1 20110630

DOCDB simple family (application)

EP 10839048 A 20101008; CN 201080058637 A 20101008; JP 2010067773 W 20101008; KR 20127019613 A 20101008; SG 2012044277 A 20101008; US 201013516517 A 20101008