

Title (en)

LUBRICATING COMPOSITIONS HAVING IMPROVED SHEAR STABILITY

Title (de)

SCHMIERMITTELZUSAMMENSETZUNG MIT VERBESSERTER SCHERSTABILITÄT

Title (fr)

COMPOSITIONS LUBRIFIANTES AYANT UNE STABILITÉ AMÉLIORÉE AU CISAILLEMENT

Publication

EP 2943558 A1 20151118 (EN)

Application

EP 13821565 A 20131219

Priority

- US 201361748539 P 20130103
- US 2013076363 W 20131219

Abstract (en)

[origin: US2014187457A1] A lubricating composition with improved shear stability having a kinematic viscosity (Kv100) from 5 to 32.5 cSt at 100° C., and a viscosity index from 140 to 200. The lubricating composition includes: a bi-modal blend lubricating oil including from 20 to 99 weight percent of a low viscosity basestock having a Kv100 from 2 to 8 cSt at 100° C., and from 1 to 20 weight percent of a high viscosity basestock having a Kv100 from 40 to 600 cSt at 100° C.; a viscosity modifier including a copolymer having units derived from monomers of (i) an α -olefin and (ii) an ethylenically unsaturated carboxylic acid or derivatives thereof esterified with an alcohol; and an alkylated aromatic co-base stock in an amount from 1 to 8 weight percent and having a Kv100 from 3 to 15 cSt at 100° C.

IPC 8 full level

C10M 169/04 (2006.01); **C10N 20/02** (2006.01); **C10N 40/04** (2006.01)

CPC (source: EP US)

C10M 127/06 (2013.01 - US); **C10M 145/10** (2013.01 - US); **C10M 149/04** (2013.01 - US); **C10M 149/06** (2013.01 - US); **C10M 169/04** (2013.01 - EP US); **C10M 169/041** (2013.01 - EP US); **C10M 2203/06** (2013.01 - EP US); **C10M 2203/065** (2013.01 - EP US); **C10M 2205/028** (2013.01 - EP US); **C10M 2205/0285** (2013.01 - EP US); **C10M 2205/22** (2013.01 - EP US); **C10M 2205/223** (2013.01 - EP US); **C10M 2209/084** (2013.01 - EP US); **C10M 2209/086** (2013.01 - EP US); **C10M 2217/022** (2013.01 - EP US); **C10M 2217/024** (2013.01 - EP US); **C10M 2217/06** (2013.01 - EP US); **C10N 2020/019** (2020.05 - EP US); **C10N 2020/02** (2013.01 - EP US); **C10N 2030/54** (2020.05 - EP US); **C10N 2030/68** (2020.05 - EP US); **C10N 2040/04** (2013.01 - EP US)

Citation (search report)

See references of WO 2014107314A1

Citation (examination)

WO 03064571 A1 20030807 - EXXONMOBIL RES & ENG CO [US]

Designated contracting state (EPC)

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Designated extension state (EPC)

BA ME

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DOCDB simple family (application)

US 201314104365 A 20131212; EP 13821565 A 20131219; SG 10201705375X A 20131219; SG 11201504560R A 20131219; US 2013076363 W 20131219