

Title (en)

LUBRICATING COMPOSITION INCLUDING ESTERIFIED COPOLYMER AND METHOD

Title (de)

SCHMIERMITTELZUSAMMENSETZUNG MIT VERESTERTEM COPOLYMER UND VERFAHREN

Title (fr)

COMPOSITION LUBRIFIANTE CONTENANT UN COPOLYMÈRE ESTÉRIFIÉ ET PROCÉDÉ AFFÉRENT

Publication

EP 2885387 A1 20150624 (EN)

Application

EP 13751060 A 20130814

Priority

- US 201261684876 P 20120820
- US 2013054865 W 20130814

Abstract (en)

[origin: WO2014031402A1] A lubricating composition includes an (A) esterified copolymer comprising units (A1) derived from a vinyl monomer and units (A2) derived from a carboxylic acid monomer, the vinyl monomer comprising a vinyl aliphatic monomer, the carboxylic acid monomer comprising an ethylenically unsaturated carboxylic acid or derivative thereof, esterified with a primary alcohol; and (B) an oil of lubricating viscosity. The lubricating composition can provide a lubricant with at least one (or at least two, or all) of acceptable or improved HTHS, KV, shear stability, acceptable or improved viscosity index control, and acceptable or improved low temperature viscosity.

IPC 8 full level

C10M 145/12 (2006.01); **C10M 145/16** (2006.01); **C10M 169/04** (2006.01); **C10N 20/02** (2006.01); **C10N 30/02** (2006.01); **C10N 40/04** (2006.01); **C10N 40/08** (2006.01); **C10N 40/20** (2006.01); **C10N 40/25** (2006.01)

CPC (source: EP KR US)

C10M 107/28 (2013.01 - EP US); **C10M 145/12** (2013.01 - EP KR US); **C10M 145/16** (2013.01 - EP KR US); **C10M 169/04** (2013.01 - KR); **C10M 2203/108** (2013.01 - EP US); **C10M 2205/02** (2013.01 - EP US); **C10M 2205/0225** (2013.01 - EP US); **C10M 2205/028** (2013.01 - EP US); **C10M 2205/0285** (2013.01 - EP US); **C10M 2205/04** (2013.01 - EP US); **C10M 2209/082** (2013.01 - EP US); **C10M 2209/084** (2013.01 - EP US); **C10M 2209/086** (2013.01 - EP US); **C10N 2020/019** (2020.05 - EP KR US); **C10N 2020/02** (2013.01 - EP KR US); **C10N 2020/04** (2013.01 - EP US); **C10N 2030/02** (2013.01 - EP KR US); **C10N 2030/54** (2020.05 - EP KR US); **C10N 2030/68** (2020.05 - EP KR US); **C10N 2040/04** (2013.01 - EP US); **C10N 2040/042** (2020.05 - EP US); **C10N 2040/044** (2020.05 - EP US); **C10N 2040/08** (2013.01 - EP US); **C10N 2040/20** (2013.01 - EP US); **C10N 2040/25** (2013.01 - EP US); **C10N 2060/06** (2013.01 - EP US); **C10N 2060/09** (2020.05 - EP US)

Citation (search report)

See references of WO 2014031402A1

Designated contracting state (EPC)

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Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

WO 2014031402 A1 20140227; AU 2013306169 A1 20150305; AU 2013306169 B2 20170330; CA 2882135 A1 20140227; CA 2882135 C 20201013; CN 104781380 A 20150715; EP 2885387 A1 20150624; EP 2885387 B1 20181003; JP 2015526564 A 20150910; KR 20150043496 A 20150422; US 2015232781 A1 20150820

DOCDB simple family (application)

US 2013054865 W 20130814; AU 2013306169 A 20130814; CA 2882135 A 20130814; CN 201380054507 A 20130814; EP 13751060 A 20130814; JP 2015528522 A 20130814; KR 20157006912 A 20130814; US 201314422390 A 20130814