

Title (en)

MONOESTER-BASED LUBRICANTS AND METHODS OF MAKING SAME

Title (de)

SCHMIERSTOFFE AUF MONOESTERBASIS UND VERFAHREN ZUR HERSTELLUNG DAVON

Title (fr)

LUBRIFIANTS À BASE DE MONOESTERS ET PROCÉDÉS DE PRODUCTION DESDITS LUBRIFIANTS

Publication

EP 3143106 A1 20170322 (EN)

Application

EP 14891919 A 20140515

Priority

US 2014038252 W 20140515

Abstract (en)

[origin: WO2015174992A1] Disclosed herein are monoester-based lubricant compositions and methods of making these monoester-based lubricant compositions. The monoester lubricant compositions comprise an isomeric mixture of at least one monoester species having a carbon number ranging from C8 to C40. In some embodiments, the methods for making the monoester-based lubricants utilize a biomass precursor and/or low value Fischer-Tropsch (FT) olefins and/or alcohols to produce high value monoester-based lubricants. In some embodiments, the monoester-based lubricants are derived from FT olefins and fatty acids. The fatty acids can be from a bio-based source (i.e., biomass, renewable source) or can be derived from FT alcohols via oxidation.

IPC 8 full level

C10M 105/38 (2006.01); **C07C 69/24** (2006.01)

CPC (source: EP)

C07C 5/25 (2013.01); **C07C 29/132** (2013.01); **C07C 67/08** (2013.01); **C07C 69/24** (2013.01); **C07D 301/14** (2013.01); **C10M 105/34** (2013.01); **C10M 2203/1006** (2013.01); **C10M 2203/1025** (2013.01); **C10M 2207/2815** (2013.01); **C10M 2207/2825** (2013.01); **C10N 2020/02** (2013.01); **C10N 2020/04** (2013.01); **C10N 2020/071** (2020.05); **C10N 2030/02** (2013.01); **C10N 2030/10** (2013.01); **C10N 2070/00** (2013.01)

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

Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

WO 2015174992 A1 20151119; CA 2918575 A1 20151119; CN 105658776 A 20160608; EP 3143106 A1 20170322; EP 3143106 A4 20180516; JP 2017515965 A 20170615; MX 2016001758 A 20160602

DOCDB simple family (application)

US 2014038252 W 20140515; CA 2918575 A 20140515; CN 201480046323 A 20140515; EP 14891919 A 20140515; JP 2017512631 A 20140515; MX 2016001758 A 20140515