

Title (en)
ESTOLIDE DERIVATIVES USEFUL AS BIOLUBRICANTS

Title (de)
ESTOLIDDERIVATE ALS BIOSCHMIERSTOFFE

Title (fr)
DÉRIVÉS ÉTHOLIDES UTILES COMME BIOLUBRIFIANTS

Publication
EP 2694630 A1 20140212 (EN)

Application
EP 12724265 A 20120518

Priority
• US 201161501802 P 20110628
• US 2012038565 W 20120518

Abstract (en)
[origin: WO2013002910A1] A composition comprising a mixture of esters prepared by a three-step process comprising the steps of a oligomerization, a transesterification, and a capping. The composition is useful in a variety of applications, including as a biolubricant having a high level of renewable carbons, and may exhibit particularly desirable properties relating to pour point, thermo-oxidative stability, and viscometric behavior due to reduced or eliminated levels of unsaturation in the final double esters.

IPC 8 full level
C10M 105/42 (2006.01); **C07C 69/675** (2006.01); **C11C 3/00** (2006.01)

CPC (source: EP US)
C10M 105/36 (2013.01 - US); **C10M 105/42** (2013.01 - EP US); **C11C 3/003** (2013.01 - EP US); **C11C 3/08** (2013.01 - EP US); **C11C 3/14** (2013.01 - EP US); **C10M 2207/301** (2013.01 - EP US); **C10N 2020/013** (2020.05 - EP US); **C10N 2020/02** (2013.01 - EP US); **C10N 2020/065** (2020.05 - EP US); **C10N 2020/081** (2020.05 - EP US); **C10N 2030/02** (2013.01 - EP US); **C10N 2030/10** (2013.01 - EP US); **C10N 2030/64** (2020.05 - EP US); **C10N 2070/00** (2013.01 - EP US)

Citation (search report)
See references of WO 2013002910A1

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)
WO 2013002910 A1 20130103; CN 103649282 A 20140319; EP 2694630 A1 20140212; US 2014100150 A1 20140410

DOCDB simple family (application)
US 2012038565 W 20120518; CN 201280032090 A 20120518; EP 12724265 A 20120518; US 201214115465 A 20120518