

Title (en)  
DIESTER-BASED BASE OIL BLENDS WITH IMPROVED COLD FLOW PROPERTIES AND LOW NOACK

Title (de)  
DIESTERBASIERTE BASISÖLMISCHUNGEN MIT VERBESSERTEN KALTFLIESSEIGENSCHAFTEN UND NIEDRIGER NOACK-FLÜCHTIGKEIT

Title (fr)  
MÉLANGES D'HUILES DE BASE À BASE DE DIESTERS PRÉSENTANT DE MEILLEURES PROPRIÉTÉS DE FLUAGE À FROID ET UNE FAIBLE VOLATILITÉ NOACK

Publication  
**EP 2992072 A1 20160309 (EN)**

Application  
**EP 14727345 A 20140502**

Priority

- US 201361819442 P 20130503
- US 201361819446 P 20130503
- US 201361823996 P 20130516
- US 201361823999 P 20130516
- US 2014036628 W 20140502

Abstract (en)  
[origin: WO2014179723A1] The present invention is generally directed to diester-based base oils and base oil blends with improved cold flow properties and improved Noack. The diesters employed have a number a performance benefits in lubricant applications - among them: biodegradability, extreme temperature performance, oxidative stability, solubility for additives and deposit and sludge precursors, flash and fire points. However, ester usage in lubricants has been quite limited due to their high cost. We utilize new proprietary diesters, structurally different from traditional diesters, which are made from fatty acids and alpha olefins in simple processing steps, yet feature performance similar to more traditional lubricant esters.

IPC 8 full level  
**C10M 105/38** (2006.01); **C10M 111/02** (2006.01); **C10N 30/02** (2006.01); **C10N 30/10** (2006.01); **C10N 40/25** (2006.01)

CPC (source: EP)  
**C10M 105/38** (2013.01); **C10M 111/02** (2013.01); **C10M 2203/1006** (2013.01); **C10M 2203/1025** (2013.01); **C10M 2207/2835** (2013.01); **C10N 2030/02** (2013.01); **C10N 2030/04** (2013.01); **C10N 2030/08** (2013.01); **C10N 2030/10** (2013.01); **C10N 2030/64** (2020.05); **C10N 2030/74** (2020.05); **C10N 2040/25** (2013.01)

Citation (search report)  
See references of WO 2014179723A1

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 2014179723 A1 20141106**; CA 2910832 A1 20141106; CN 105189715 A 20151223; EP 2992072 A1 20160309; JP 2016520693 A 20160714

DOCDB simple family (application)  
**US 2014036628 W 20140502**; CA 2910832 A 20140502; CN 201480025317 A 20140502; EP 14727345 A 20140502; JP 2016512073 A 20140502