

Title (en)

LUBRICANT FORMULATIONS WITH ENHANCED ANTI-WEAR AND EXTREME PRESSURE PERFORMANCE

Title (de)

SCHMIERMITTELFORMULIERUNGEN MIT VERBESSERTER VERSCHLEISS- UND EXTREMDRUCKLEISTUNG

Title (fr)

FORMULATIONS LUBRIFIANTES DOUÉES D'UNE PERFORMANCE ANTI-USURE ET SOUS PRESSION EXTRÊME AMÉLIORÉE

Publication

**EP 3262146 A1 20180103 (EN)**

Application

**EP 16708055 A 20160222**

Priority

- US 201562120921 P 20150226
- US 2016018920 W 20160222

Abstract (en)

[origin: WO2016137882A1] A lubricant formulation contains: (a) greater than 50 weight-percent hydrocarbon base oil; (b) 5 weight-percent or more and less than 50 weight-percent of one or a combination of more than one oil soluble polyalkylene glycol selected from a group consisting of monol, diol and triol initiated 1,2-butylene oxide homopolymers and monol initiated copolymers of 1,2-butylene oxide and propylene oxide; (c) 0.1 weight-percent or more and 5 weight-percent or less of sulfurized olefin; and (d) 0.1 weight-percent or more and 2 weight-percent or less of phosphate ester; where weight-percent is relative to total lubricant formulation weight.

IPC 8 full level

**C10M 141/10** (2006.01); **C10N 30/06** (2006.01); **C10N 40/04** (2006.01)

CPC (source: CN EP US)

**C10M 141/10** (2013.01 - CN); **C10M 169/044** (2013.01 - EP US); **C10M 2203/1006** (2013.01 - CN EP US);  
**C10M 2203/1025** (2013.01 - CN EP US); **C10M 2205/0285** (2013.01 - CN EP US); **C10M 2209/103** (2013.01 - CN);  
**C10M 2209/106** (2013.01 - CN EP US); **C10M 2209/107** (2013.01 - CN EP US); **C10M 2215/064** (2013.01 - EP US);  
**C10M 2215/065** (2013.01 - EP US); **C10M 2215/223** (2013.01 - EP US); **C10M 2219/022** (2013.01 - CN EP US);  
**C10M 2219/106** (2013.01 - EP US); **C10M 2223/04** (2013.01 - CN EP US); **C10M 2229/02** (2013.01 - EP US); **C10N 2020/02** (2013.01 - EP US);  
**C10N 2030/06** (2013.01 - CN EP US); **C10N 2030/42** (2020.05 - EP US); **C10N 2040/04** (2013.01 - CN EP US)

Citation (search report)

See references of WO 2016137882A1

Designated contracting state (EPC)

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Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

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DOCDB simple family (application)

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