

Title (en)  
HIGH EFFICIENCY HYDRAULIC OILS

Title (de)  
HOCHEFFIZIENTE HYDRAULISCHE ÖLE

Title (fr)  
HUILES HYDRAULIQUES À EFFICACITÉ ÉLEVÉE

Publication  
**EP 2111390 A4 20120328 (EN)**

Application  
**EP 08705512 A 20080108**

Priority  
• US 2008000240 W 20080108  
• US 88142007 P 20070119

Abstract (en)  
[origin: US2008176775A1] Methods for achieving favorable efficiency properties are disclosed including methods for blending a lubricant composition and lubricant compositions. In one embodiment, the method comprises the steps of obtaining at least one base stock and at obtaining at least one base stock chosen to have a favorable air release properties, obtaining at least one additive, blending at least one base stock and at least one additive to achieve a favorable effective bulk modulus through air release property, bulk modulus, and using a relationship between density and bulk modulus.

IPC 8 full level  
**C10M 169/04** (2006.01); **C10M 171/00** (2006.01)

CPC (source: EP US)  
**C10M 169/04** (2013.01 - EP US); **C10M 171/00** (2013.01 - EP US); **C10M 171/004** (2013.01 - EP US); **C10M 171/02** (2013.01 - EP US); **C10M 2203/065** (2013.01 - EP US); **C10M 2203/1025** (2013.01 - EP US); **C10M 2205/0285** (2013.01 - EP US); **C10M 2205/173** (2013.01 - EP US); **C10M 2205/223** (2013.01 - EP US); **C10M 2207/2805** (2013.01 - EP US); **C10M 2207/2835** (2013.01 - EP US); **C10M 2207/2855** (2013.01 - EP US); **C10M 2209/1033** (2013.01 - EP US); **C10M 2223/0405** (2013.01 - EP US); **C10M 2223/0415** (2013.01 - EP US); **C10N 2020/00** (2013.01 - EP US); **C10N 2020/017** (2020.05 - EP US); **C10N 2020/02** (2013.01 - EP US); **C10N 2030/18** (2013.01 - EP US); **C10N 2040/02** (2013.01 - EP US); **C10N 2040/08** (2013.01 - EP US)

Citation (search report)  
• [X] US 2005032653 A1 20050210 - KUNZ MARKWART [DE], et al  
• [X] WO 2006111211 A1 20061026 - ROHMAX ADDITIVES GMBH [DE]  
• [A] US 6713438 B1 20040330 - BAILLARGEON DAVID J [US], et al  
• See references of WO 2008091491A1

Designated contracting state (EPC)  
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MT NL NO PL PT RO SE SI SK TR

DOCDB simple family (publication)  
**US 2008176775 A1 20080724**; EP 2111390 A1 20091028; EP 2111390 A4 20120328; WO 2008091491 A1 20080731

DOCDB simple family (application)  
**US 923408 A 20080117**; EP 08705512 A 20080108; US 2008000240 W 20080108