

Title (en)
LOW VISCOSITY FUNCTIONAL FLUIDS

Title (de)
NIEDERVISKOSE FUNKTIONELLE FLUIDE

Title (fr)
LIQUIDES FONCTIONNELS À FAIBLE VISCOSITÉ

Publication
EP 2346969 A1 20110727 (EN)

Application
EP 09793227 A 20091001

Priority
• US 2009059184 W 20091001
• US 11246608 P 20081107

Abstract (en)
[origin: WO2010053641A1] Low viscosity functional fluids are described which comprise glycols and an additive package that includes a fatty acid and a phosphate ester, such as a phosphate ester of an alkyl, alkenyl, or aryl alcohol. The fluids are particularly well-suited for use as DOT 3 or DOT 4 brake fluids and provide robust lubricity and corrosion inhibition.

IPC 8 full level
C10M 169/04 (2006.01); **B60T 11/10** (2006.01)

CPC (source: EP US)
B60T 11/10 (2013.01 - EP US); **C10M 169/04** (2013.01 - EP US); **C23F 11/10** (2013.01 - EP US); **C10M 2201/082** (2013.01 - EP US); **C10M 2201/087** (2013.01 - EP US); **C10M 2207/022** (2013.01 - EP US); **C10M 2207/025** (2013.01 - EP US); **C10M 2207/026** (2013.01 - EP US); **C10M 2207/04** (2013.01 - EP US); **C10M 2207/0406** (2013.01 - EP US); **C10M 2207/046** (2013.01 - EP US); **C10M 2207/126** (2013.01 - EP US); **C10M 2207/127** (2013.01 - EP US); **C10M 2209/103** (2013.01 - EP US); **C10M 2209/1033** (2013.01 - EP US); **C10M 2209/104** (2013.01 - EP US); **C10M 2209/1045** (2013.01 - EP US); **C10M 2209/105** (2013.01 - EP US); **C10M 2209/107** (2013.01 - EP US); **C10M 2215/04** (2013.01 - EP US); **C10M 2215/042** (2013.01 - EP US); **C10M 2215/221** (2013.01 - EP US); **C10M 2215/223** (2013.01 - EP US); **C10M 2223/04** (2013.01 - EP US); **C10M 2229/02** (2013.01 - EP US); **C10N 2030/02** (2013.01 - EP US); **C10N 2030/06** (2013.01 - EP US); **C10N 2030/12** (2013.01 - EP US); **C10N 2040/08** (2013.01 - EP US)

Citation (search report)
See references of WO 2010053641A1

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 MK MT NL NO PL PT RO SE SI SK SM TR

Designated extension state (EPC)
AL BA RS

DOCDB simple family (publication)
WO 2010053641 A1 20100514; BR PI0916028 A2 20151110; CN 102209771 A 20111005; EP 2346969 A1 20110727; JP 2012508283 A 20120405; JP 5480285 B2 20140423; US 2011207636 A1 20110825

DOCDB simple family (application)
US 2009059184 W 20091001; BR PI0916028 A 20091001; CN 200980144473 A 20091001; EP 09793227 A 20091001; JP 2011534574 A 20091001; US 200913127755 A 20091001