

Title (en)
LUBRICANT COMPOSITION FOR AN INTERNAL COMBUSTION ENGINE

Title (de)
SCHMIERMITTELZUSAMMENSETZUNG FÜR EINEN VERBRENNUNGSMOTOR

Title (fr)
COMPOSITION LUBRIFIANTE POUR UN MOTEUR À COMBUSTION INTERNE

Publication
EP 2554641 A4 20131009 (EN)

Application
EP 11765779 A 20110331

Priority
• JP 2010086581 A 20100402
• JP 2011058291 W 20110331

Abstract (en)
[origin: EP2554641A1] A lubricating oil composition for an internal combustion engine contains a component (A) of a polyalphaolefin having a kinematic viscosity at 100 degrees C of 5.5 mm²/s or less, a CCS viscosity at -35 degrees C of 3000 mPA·s or less and a NOACK of 12 mass% or less, and a component (B) of a mineral oil having a viscosity index of 120 or more. The component (A) is contained at a content of 25 mass% or more of a total amount of the composition.

IPC 8 full level
C10M 111/04 (2006.01); **C10N 20/00** (2006.01); **C10N 20/02** (2006.01); **C10N 30/00** (2006.01); **C10N 30/02** (2006.01); **C10N 30/08** (2006.01); **C10N 40/25** (2006.01)

CPC (source: EP KR US)
C10M 101/02 (2013.01 - KR); **C10M 101/04** (2013.01 - KR); **C10M 103/06** (2013.01 - KR); **C10M 105/12** (2013.01 - KR); **C10M 105/18** (2013.01 - KR); **C10M 105/20** (2013.01 - KR); **C10M 105/24** (2013.01 - KR); **C10M 105/42** (2013.01 - KR); **C10M 105/66** (2013.01 - KR); **C10M 107/02** (2013.01 - KR); **C10M 111/04** (2013.01 - EP KR US); **C10M 2203/1006** (2013.01 - EP US); **C10M 2203/1025** (2013.01 - EP US); **C10M 2205/0285** (2013.01 - EP US); **C10M 2209/084** (2013.01 - EP US); **C10N 2020/02** (2013.01 - EP US); **C10N 2030/02** (2013.01 - EP US); **C10N 2030/54** (2020.05 - EP US); **C10N 2030/74** (2020.05 - EP US); **C10N 2040/25** (2013.01 - EP US); **C10N 2070/00** (2013.01 - EP US)

Citation (search report)
• [I] WO 2009073135 A1 20090611 - INEOS USA LLC [US], et al
• [X] US 2006211581 A1 20060921 - BULLOCK CHARLES L JR [US], et al & JP 2008533274 A 20080821
• [X] US 2008234153 A1 20080925 - MATSUI SHIGEKI [JP] & JP 2008231189 A 20081002 - NIPPON OIL CORP & JP 2008231190 A 20081002 - NIPPON OIL CORP
• [A] "DURASYN 145 POLYALPHAOLEFINS", 20 May 2009 (2009-05-20), XP055076930, Retrieved from the Internet <URL:http://www.3eonline.com/ImageServer/NewPdf/1915fa5c98f54dd299ab2ac018d2ea1e.pdf> [retrieved on 20130828]
• See references of WO 2011125879A1

Cited by
EP2837675B1

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)
EP 2554641 A1 20130206; **EP 2554641 A4 20131009**; JP 5667166 B2 20150212; JP WO2011125879 A1 20130711; KR 20130103652 A 20130924; US 2013023456 A1 20130124; WO 2011125879 A1 20111013

DOCDB simple family (application)
EP 11765779 A 20110331; JP 2011058291 W 20110331; JP 2012509594 A 20110331; KR 20127028725 A 20110331; US 201113638997 A 20110331