

Title (en)  
LOW VISCOSITY LUBRICATING POLYOLEFINS

Title (de)  
NIEDRIGVISKOSE SCHMIERMITTELPOLYOLEFINE

Title (fr)  
POLYOLÉFINES LUBRIFIANTES DE BASSE VISCOSITÉ

Publication  
**EP 3313964 A1 20180502 (FR)**

Application  
**EP 16732674 A 20160629**

Priority  
• FR 1556043 A 20150629  
• EP 2016065109 W 20160629

Abstract (en)  
[origin: WO2017001458A1] The invention relates to a low viscosity oil comprising more than 50% by weight of 9-methylnonadecane, and to a lubricating composition comprising this base oil and, optionally, another base oil or an additive. The oil according to the invention has a kinematic viscosity at 100° C, measured by the ASTM D445 standard, of 0.5 to 2.5 mm<sup>2</sup>.s<sup>-1</sup>. The invention also relates to such a low viscosity oil prepared via a specific method using a metallocene catalyst, and to the use of said oil as high performance lubricant for lubrication in the field of motors, hydraulic fluids and gears, in particular bridges and transmissions.

IPC 8 full level  
**C10M 105/04** (2006.01); **C10M 107/10** (2006.01)

CPC (source: EP US)  
**B01J 23/44** (2013.01 - US); **B01J 31/143** (2013.01 - EP US); **B01J 31/146** (2013.01 - EP US); **B01J 31/2295** (2013.01 - EP US); **C07C 2/32** (2013.01 - US); **C07C 5/03** (2013.01 - US); **C10M 105/04** (2013.01 - EP US); **C10M 169/04** (2013.01 - US); **B01J 2231/20** (2013.01 - EP US); **B01J 2531/48** (2013.01 - EP US); **C07C 2521/04** (2013.01 - US); **C07C 2523/44** (2013.01 - US); **C07C 2531/14** (2013.01 - US); **C07C 2531/22** (2013.01 - US); **C10M 2203/022** (2013.01 - US); **C10M 2203/1025** (2013.01 - EP US); **C10N 2020/02** (2013.01 - EP US); **C10N 2020/065** (2020.05 - EP US); **C10N 2030/02** (2013.01 - EP US); **C10N 2030/06** (2013.01 - EP US); **C10N 2030/10** (2013.01 - EP US); **C10N 2030/18** (2013.01 - EP US); **C10N 2030/36** (2020.05 - EP US); **C10N 2030/50** (2020.05 - EP US); **C10N 2030/54** (2020.05 - EP US); **C10N 2040/04** (2013.01 - EP US); **C10N 2040/044** (2020.05 - EP US); **C10N 2040/25** (2013.01 - EP US); **C10N 2070/00** (2013.01 - EP US)

Citation (search report)  
See references of WO 2017001458A1

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)  
**FR 3037969 A1 20161230**; **FR 3037969 B1 20170811**; CN 107849474 A 20180327; EP 3313964 A1 20180502; JP 2018519394 A 20180719; US 10377960 B2 20190813; US 2018187118 A1 20180705; WO 2017001458 A1 20170105

DOCDB simple family (application)  
**FR 1556043 A 20150629**; CN 201680037712 A 20160629; EP 16732674 A 20160629; EP 2016065109 W 20160629; JP 2017567775 A 20160629; US 201615740746 A 20160629