

Title (en)
LOW-VISCOSITY LUBRICATING POLYOLEFINS

Title (de)
NIEDRIGVISKOSE SCHMIERMITTELPOLYOLEFINE

Title (fr)
POLYOLÉFINES LUBRIFIANTES DE BASSE VISCOSITÉ

Publication
EP 3149122 A1 20170405 (FR)

Application
EP 15726134 A 20150529

Priority
• FR 1454919 A 20140530
• EP 2015061971 W 20150529

Abstract (en)
[origin: WO2015181358A1] The invention relates to a low-viscosity oil comprising more than 50 wt % of 9-methyl-11-octyl-heneicosane as well as a lubricating composition comprising said base oil and optionally another base oil or an additive. Said oil according to the invention has a kinematic viscosity at 100°C, measured according to standard ASTM D445, ranging from 3 to 4 mm²/s-1. The invention also relates to such a low-viscosity oil prepared according to a specific method using a metallocene catalyst as well as the use of said oil as a high-performance lubricant for lubrication in the fields of engines, gears, brakes, hydraulic fluids, coolants and greases.

IPC 8 full level
C10M 105/04 (2006.01); **C08F 10/14** (2006.01); **C10M 107/10** (2006.01)

CPC (source: CN EP KR US)
C07C 2/34 (2013.01 - EP US); **C07C 5/03** (2013.01 - EP US); **C08F 10/14** (2013.01 - KR); **C08F 110/14** (2013.01 - EP US); **C10M 105/04** (2013.01 - CN EP KR US); **C10M 107/10** (2013.01 - CN EP KR US); **C07C 2523/44** (2013.01 - EP US); **C07C 2531/14** (2013.01 - EP US); **C07C 2531/22** (2013.01 - EP US); **C08F 4/65908** (2013.01 - EP US); **C08F 4/65912** (2013.01 - EP US); **C08F 4/65927** (2013.01 - EP US); **C10M 2203/0206** (2013.01 - CN EP KR US); **C10M 2205/0225** (2013.01 - CN EP KR US); **C10M 2205/0285** (2013.01 - CN EP KR US); **C10N 2020/02** (2013.01 - CN EP KR US); **C10N 2030/02** (2013.01 - CN EP KR US); **C10N 2030/06** (2013.01 - CN EP KR US); **C10N 2030/10** (2013.01 - CN EP KR US); **C10N 2030/54** (2020.05 - CN EP KR US); **C10N 2040/25** (2013.01 - CN EP US)

Citation (search report)
See references of WO 2015181358A1

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)
WO 2015181358 A1 20151203; CA 2950123 A1 20151203; CN 106414680 A 20170215; EP 3149122 A1 20170405; FR 3021664 A1 20151204; FR 3021664 B1 20201204; JP 2017519097 A 20170713; KR 20170010778 A 20170201; MA 39911 A 20210512; MX 2016015518 A 20170323; US 2017183594 A1 20170629; ZA 201608165 B 20190424

DOCDB simple family (application)
EP 2015061971 W 20150529; CA 2950123 A 20150529; CN 201580027644 A 20150529; EP 15726134 A 20150529; FR 1454919 A 20140530; JP 2017514972 A 20150529; KR 20167033618 A 20150529; MA 39911 A 20150529; MX 2016015518 A 20150529; US 201515313605 A 20150529; ZA 201608165 A 20161124