

Title (en)  
LUBRICANT BASE OIL AND METHOD FOR PRODUCING SAME

Title (de)  
SCHMIERMITTELBASISÖL UND VERFAHREN ZUR HERSTELLUNG DAVON

Title (fr)  
HUILE DE BASE DE LUBRIFIANT ET SON PROCÉDÉ DE PRODUCTION

Publication  
**EP 2835418 A4 20150617 (EN)**

Application  
**EP 13769836 A 20130401**

Priority

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- JP 2013059972 W 20130401

Abstract (en)  
[origin: EP2835418A1] A lubricant base oil that is a hydrocarbon oil having a kinematic viscosity at 100°C of 2.0 to 9 mm<sup>2</sup>/s, a viscosity index of 130 or more, a freezing point of -30 to -5°C, and an SBV viscosity at -20°C of 1,000 to 60,000 mPa·s, in which the freezing point of the lubricant base oil is higher by 10°C or more than a freezing point of raffinate obtained by bringing the lubricant base oil into contact with urea and removing paraffin that can be included in the urea.

IPC 8 full level  
**C10M 171/00** (2006.01); **C10G 65/12** (2006.01); **C10G 65/14** (2006.01); **C10M 101/02** (2006.01); **C10M 105/04** (2006.01); **C10M 177/00** (2006.01); **C10N 20/00** (2006.01); **C10N 20/02** (2006.01); **C10N 30/00** (2006.01); **C10N 30/02** (2006.01); **C10N 30/06** (2006.01); **C10N 40/00** (2006.01); **C10N 40/02** (2006.01); **C10N 40/04** (2006.01); **C10N 40/06** (2006.01); **C10N 40/08** (2006.01); **C10N 40/12** (2006.01); **C10N 40/16** (2006.01); **C10N 40/20** (2006.01); **C10N 40/22** (2006.01); **C10N 40/24** (2006.01)

CPC (source: EP US)  
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Citation (search report)

- [X] US 2010041572 A1 20100218 - SANO TAKASHI [JP], et al
- [X] US 2011237477 A1 20110929 - TAGAWA KAZUO [JP], et al
- [X] WO 2006069990 A1 20060706 - SHELL INT RESEARCH [NL], et al
- [A] US 2007238628 A1 20071011 - HAIRE MICHAEL J [US], et al
- [A] US 2005261146 A1 20051124 - ROSENBAUM JOHN M [US], et al
- [E] EP 2835417 A1 20150211 - JX NIPPON OIL & ENERGY CORP [JP]
- See references of WO 2013147305A1

Designated contracting state (EPC)  
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