

Title (en)  
LUBRICANT COMPOSITION

Title (de)  
SCHMIERMITTELZUSAMMENSETZUNG

Title (fr)  
COMPOSITION DE LUBRIFIANT

Publication  
**EP 2256180 A4 20120307 (EN)**

Application  
**EP 09721741 A 20090311**

Priority  
• JP 2009054638 W 20090311  
• JP 2008068415 A 20080317

Abstract (en)  
[origin: EP2256180A1] A lubricating oil composition which comprises a base oil of lubricating oil halving a kinematic viscosity of 3.5 to 10 mm<sup>2</sup>/s at 100°C and a viscosity index of 100 or greater and (a) an ethylene- $\pm$ -olefin copolymer having a number-average molecular weight of 2,500 to 25,000 and/or (b) a polymethacrylate having a number-average molecular weight of 10,000 to 30,000, wherein the kinematic viscosity of the composition is 5.6 to 15.0 mm<sup>2</sup>/s at 100°C. The lubricating oil exhibits excellent property for decreasing fuel consumption and can suppress generation of noise and vibration.

IPC 8 full level  
**C10M 169/04** (2006.01); **C10M 143/00** (2006.01); **C10M 145/14** (2006.01); **C10N 20/02** (2006.01); **C10N 20/04** (2006.01); **C10N 40/25** (2006.01)

CPC (source: EP US)  
**C10M 157/00** (2013.01 - EP US); **C10M 169/04** (2013.01 - EP US); **C10M 2203/1006** (2013.01 - EP US); **C10M 2205/022** (2013.01 - EP US); **C10M 2205/028** (2013.01 - EP US); **C10M 2209/084** (2013.01 - EP US); **C10M 2215/064** (2013.01 - EP US); **C10M 2215/28** (2013.01 - EP US); **C10M 2219/046** (2013.01 - EP US); **C10M 2223/045** (2013.01 - EP US); **C10N 2020/02** (2013.01 - EP US); **C10N 2020/04** (2013.01 - EP US); **C10N 2030/02** (2013.01 - EP US); **C10N 2030/52** (2020.05 - EP US); **C10N 2030/54** (2020.05 - EP US); **C10N 2030/76** (2020.05 - EP US); **C10N 2040/25** (2013.01 - EP US); **C10N 2040/255** (2020.05 - EP US)

C-Set (source: EP US)

EP

1. **C10M 2205/022 + C10M 2205/028**
2. **C10M 2205/028 + C10M 2205/022**
3. **C10M 2223/045 + C10N 2010/04**
4. **C10M 2219/046 + C10N 2010/04**
5. **C10M 2215/28 + C10N 2060/14**

US

1. **C10M 2205/022 + C10M 2205/028**
2. **C10M 2205/028 + C10M 2205/022**
3. **C10M 2215/28 + C10N 2060/14**
4. **C10M 2223/045 + C10N 2010/04**
5. **C10M 2219/046 + C10N 2010/04**

Citation (search report)  
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• [X] US 2007191239 A1 20070816 - MATSUOKA TORU [JP], et al  
• See references of WO 2009116438A1

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EP2966154A4; CN108431188A; RU2732123C2; WO2017114836A1

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