

Title (en)  
LUBRICANT COMPOSITION

Title (de)  
SCHMIERMITTELZUSAMMENSETZUNG

Title (fr)  
COMPOSITION DE LUBRIFIANT

Publication  
**EP 1764407 A4 20111221 (EN)**

Application  
**EP 06715134 A 20060303**

Priority  
• JP 2006304051 W 20060303  
• JP 2005061811 A 20050307

Abstract (en)  
[origin: EP1764407A1] A lubricant composition, which comprises a fluoro-oil, a powdery fluororesin thickener, and Ca salt or Na salt of aromatic sulfonic acid or saturated aliphatic dicarboxylic acid as a rust-inhibitive additive, where the thickener is in a proportion of 10-40% by weight, and the additive is in a proportion of 0.3-10% by weight, on the basis of total weight of the composition, the balance being the fluoro-oil. The lubricant composition containing the powdery fluororesin in an appropriate admixing proportion as a thickener in the fluoro oil has a distinguished rust inhibition, particularly even after having being subjected to heat hysteresis, where a perfluoropolyether oil is usually used as a fluoro-oil.

IPC 8 full level  
**C10M 169/00** (2006.01); **C10M 107/38** (2006.01); **C10M 119/22** (2006.01); **C10M 129/34** (2006.01); **C10M 129/42** (2006.01); **C10M 135/10** (2006.01); **C10N 10/02** (2006.01); **C10N 10/04** (2006.01); **C10N 20/06** (2006.01); **C10N 30/06** (2006.01); **C10N 30/08** (2006.01); **C10N 30/12** (2006.01); **C10N 40/00** (2006.01); **C10N 40/02** (2006.01); **C10N 40/04** (2006.01); **C10N 40/14** (2006.01); **C10N 40/34** (2006.01); **C10N 50/10** (2006.01)

CPC (source: EP US)  
**C10M 169/06** (2013.01 - EP US); **C10M 2207/123** (2013.01 - EP US); **C10M 2207/127** (2013.01 - EP US); **C10M 2213/006** (2013.01 - EP US); **C10M 2213/0606** (2013.01 - EP US); **C10M 2213/0613** (2013.01 - EP US); **C10M 2213/0626** (2013.01 - EP US); **C10M 2215/223** (2013.01 - EP US); **C10M 2219/044** (2013.01 - EP US); **C10N 2020/02** (2013.01 - EP US); **C10N 2030/08** (2013.01 - EP US); **C10N 2030/12** (2013.01 - EP US); **C10N 2040/02** (2013.01 - EP US); **C10N 2050/10** (2013.01 - EP US)

C-Set (source: EP US)

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US  
1. **C10M 2207/123 + C10N 2010/02**  
2. **C10M 2219/044 + C10N 2010/04**  
3. **C10M 2219/044 + C10N 2010/02**

Citation (search report)  
• [Y] EP 1327673 A1 20030716 - MINEBEA CO LTD [JP]  
• [Y] JP 2004028326 A 20040129 - NSK LTD  
• [A] US 6037314 A 20000314 - KONDO SHINYA [JP], et al  
• [A] EP 0708172 A2 19960424 - KYODO YUSHI [JP]  
• [A] US 2439610 A 19480413 - MORRIS RUPERT C, et al  
• [A] EP 0220426 A2 19870506 - IDEMITSU KOSAN CO [JP]

Cited by  
EP2039742A4; CN105524697A; US8853140B2; WO2009027428A3

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