

Title (en)  
LUBRICANT ADDITIVE COMPOSITION

Title (de)  
SCHMIERMITTELZUSATZUSAMMENSETZUNGEN

Title (fr)  
COMPOSITION D'ADDITIF LUBRIFIANT

Publication  
**EP 2535397 A4 20130904 (EN)**

Application  
**EP 10845787 A 20101008**

Priority  
• JP 2010029340 A 20100212  
• JP 2010067774 W 20101008

Abstract (en)  
[origin: EP2535397A1] The present invention provides an additive composition for a lubricating oil that comprises a metal salt of a phosphorus-containing compound, is easy to produce, does not have adverse effects such as causing rubber seals to swell, and is excellent in storage stability. The additive composition comprises a metal salt of a phosphorus-containing compound represented by formula (1) in an amount of 10 to 90 percent by mass on the basis of the composition, contained in a hydrocarbon solvent selected from a mineral oil, a hydrocarbon synthetic oil and a mixture thereof, the hydrocarbon solvent having a 100°C kinematic viscosity of 0.5 to 4.5 mm<sup>2</sup>/s, a %C A of 3 or less, and a sulfur content of 0.05 percent by mass or less: wherein X 1 and X 2 are each independently oxygen or sulfur, R 1 , R 2 , R 3 , and R 4 are each independently a straight-chain alkyl group having 3 to 12 carbon atoms, the average of the carbon number is 5 or greater, and M is a divalent metal atom.

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Citation (search report)  
• [A] US 2010016195 A1 20100121 - SHIRAHAMA SHINICHI [JP], et al  
• See references of WO 2011099195A1

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