

Title (en)
LUBRICATING OIL COMPOSITION FOR CONTINUOUSLY VARIABLE TRANSMISSION

Title (de)
SCHMIERMITTELZUSAMMENSETZUNG UND STUFENLOSES GETRIEBE

Title (fr)
COMPOSITION D'HUILE LUBRIFIANTE POUR TRANSMISSION QUI VARIE EN CONTINU

Publication
EP 2876152 A4 20160309 (EN)

Application
EP 13819976 A 20130716

Priority
• JP 2012161270 A 20120720
• JP 2013069266 W 20130716

Abstract (en)
[origin: EP2876152A1] The present invention provides a lubricating oil composition for a continuously variable transmission having a viscosity that is low enough to exhibit fuel saving properties but maintaining the viscosity required for a lubricating oil composition through the period of use in a system and also a higher metal-to-metal friction coefficient to ensure a high power transmitting capacity and providing a wet clutch friction characteristics and anti-shudder properties required for a transmission as well as having a low traction coefficient to achieve further improved fuel saving properties. The composition comprises a base oil having been adjusted so that the product (EC×V40) of the mass percent (EC (mass%)) of a saturated cyclic component on the total base oil mass basis and the 40 °C kinematic viscosity (V40 (mm²/s)) is 500 or less and the 100 °C kinematic viscosity is from 3.6 to 4.1 mm²/s, (B) a phosphorus compound, (C) a calcium salicylate and/or a calcium sulfonate, (D) a boron-modified ashless dispersant in an amount of 0.001 to 0.008 percent by mass as boron, and (E) a friction modifier, each in a specific amount, the lubricating oil composition having a 100 °C kinematic viscosity of 5.2 to 5.6 mm²/s and a viscosity index of 165 or greater.

IPC 8 full level
C10M 129/76 (2006.01); **C10M 133/16** (2006.01); **C10M 137/02** (2006.01); **C10M 139/00** (2006.01); **C10M 159/22** (2006.01); **C10M 159/24** (2006.01); **C10M 169/04** (2006.01); **C10N 20/02** (2006.01); **C10N 30/00** (2006.01); **C10N 30/02** (2006.01); **C10N 30/06** (2006.01); **C10N 40/04** (2006.01)

CPC (source: EP US)
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Citation (search report)
• [Y] EP 2039745 A1 20090325 - NIPPON OIL CORP [JP], et al
• [Y] US 2004192562 A1 20040930 - MORITA EITARO [JP]
• See references of WO 2014013975A1

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