

Title (en)
LUBRICANT OIL COMPOSITION

Title (de)
SCHMIERÖLZUSAMMENSETZUNG

Title (fr)
COMPOSITION D'HUILE LUBRIFIANTE

Publication
EP 1918356 A4 20081231 (EN)

Application
EP 06782833 A 20060814

Priority
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Abstract (en)
[origin: EP1918356A1] The present invention provides a lubricating oil composition which has excellent anti-wear properties for a metal pulley and a metal belt and initial anti-shudder properties and can retain the anti-shudder properties for a long period of time, suitable for use in a continuously variable transmission with a slip-controlled wet clutch and a metal belt. The lubricating oil composition comprises a lubricating base oil, (A) an alkylsalicylic acid metal salt and/or an (overbased) basic salt thereof, wherein the component ratio of the monoalkylsalicylic acid metal salt is from 85 to 100 percent by mole, the component ratio of the dialkylsalicylic acid metal salt is from 0 to 15 percent by mole and the component ratio of the 3-alkylsalicylic acid metal salt is from 40 to 100 percent by mole; (B) a specific nitrogen compound; and (C) a phosphorus-containing anti-wear agent.

IPC 8 full level
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C10M 141/10 (2006.01); **C10M 159/22** (2006.01); **C10N 40/04** (2006.01)

CPC (source: EP US)
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Citation (search report)
• [Y] ES 2117527 A1 19980801 - COSMO OIL CO LTD [JP]
• [Y] EP 1526170 A1 20050427 - NIPPON OIL CORP [JP]
• [A] US 6528458 B1 20030304 - TAGLIAMONTE THOMAS A [US], et al
• [A] EP 0967813 A2 19991229 - MATSUSHITA ELECTRONICS CORP [JP]
• See references of WO 2007021014A1

Cited by
EP2826846A4; WO2014186318A1; WO2019162744A1; US10808198B2; US9574157B2; EP3109299B1; EP3072949B1

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