

Title (en)
Lubricating oil composition for transmissions

Title (de)
Schmierölsammensetzungen für Getriebe

Title (fr)
Compositions d'huile lubrifiante pour transmissions

Publication
EP 1418221 A2 20040512 (EN)

Application
EP 03025453 A 20031105

Priority
JP 2002323774 A 20021107

Abstract (en)
Lubricating oil compositions for transmissions comprise (A) a mineral lubricating oil having a kinematic viscosity of from 2.3 to 3.4 mm²/s and a %Cp of 7.0 or higher defined by ASTM D 3238, as a base oil, (B) a phosphorus compound in an amount of from 0.025 to 0.05 percent by mass in terms of phosphorus based on the total mass of the composition, and (C) a viscosity index improver in such an amount that the composition has a kinematic viscosity of from 5.0 to 6.0 mm²/s, sulfur being contained in an amount of 0.15 percent by mass or less in the composition. The lubricating oil compositions are excellent in fuel efficiency and capable of improving the durabilities of gears and clutches, leading to long lasting gear change characteristics.

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C10M 169/04

IPC 8 full level
C10M 169/04 (2006.01)

CPC (source: EP US)
C10M 169/04 (2013.01 - EP US)

Citation (applicant)
• EP 0867498 A1 19980930 - TONEN CORP [JP]
• EP 0978555 A1 20000209 - ETHYL CORP [US]
• US 6059955 A 20000509 - CODY IAN A [US], et al
• JP H08209174 A 19960813 - ETHYL CORP

Designated contracting state (EPC)
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DOCDB simple family (publication)
EP 1418221 A2 20040512; EP 1418221 A3 20040623; EP 1418221 B1 20110119; CN 1301320 C 20070221; CN 1513960 A 20040721;
DE 60335771 D1 20110303; US 2004176256 A1 20040909

DOCDB simple family (application)
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