

Title (en)

Lubricating oil composition for power control.

Title (de)

Schmierölszusammensetzung für Leistungskontrolle.

Title (fr)

Composition d'huile lubrifiante pour contrôle de puissance.

Publication

**EP 0373454 A1 19900620 (EN)**

Application

**EP 89122243 A 19891202**

Priority

- JP 30885788 A 19881208
- JP 30885888 A 19881208

Abstract (en)

Disclosed is a lubricating oil composition for power control, comprising (A) a base oil having a kinematic viscosity at 100 DEG C of 1 to 80 cSt, (B) 0.1 to 10% by weight (based on the total weight of the composition, the same shall apply hereinafter) of at least one kind of sulfur-containing compound selected from the group consisting of zinc dithiophosphate, sulfurized oils and fats and sulfurized olefin, (C) 0.1 to 10% by weight of alkaline earth metal based detergent-dispersant, and (D) 0.05 to 5% by weight of partial esters of polyhydric alcohols and/or succinimide. Said composition is excellent in extreme-pressure property, antiwear property, and metal fatigue life, and has also a good initial frictional characteristics. In addition, the frictional characteristics hardly change with the time, and said composition is excellent in stability against oxidation, and in corrosion resistance. Further, since said lubricating oil compositions include those excellent in heat-resistance, they show an excellent lubricity for a long period when used as gear oil for automobiles, to extend the cycle time for oil replacement.

IPC 1-7

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IPC 8 full level

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CPC (source: EP)

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Citation (search report)

- [X] FR 1485335 A 19670616 - LUBRIZOL CORP
- [X] FR 2009296 A1 19700130 - MOBIL OIL CORP, et al
- [XP] EP 0305538 A1 19890308 - IDEMITSU KOSAN CO [JP]
- [X] FR 2277882 A1 19760206 - CHEVRON RES [US]
- [Y] GB 1440261 A 19760623 - EXXON RESEARCH ENGINEERING CO
- [A] EP 0277729 A1 19880810 - AMOCO CORP [US]
- [A] GB 1152889 A 19690521 - EXXON RESEARCH ENGINEERING CO [US]

Cited by

EP1518919A1; CN102686352A; EP0462319A1; US5422022A; WO2011131614A1; WO2010049439A1; WO2007064336A1; EP1217239B2

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