

Title (en)
GEAR OIL COMPOSITION.

Title (de)
GETRIEBEÖLZUSAMMENSETZUNG.

Title (fr)
HUILE POUR ENGRENAGES.

Publication
EP 0332698 A4 19890911 (EN)

Application
EP 87905651 A 19870827

Priority
JP 8700636 W 19870827

Abstract (en)
[origin: EP0332698A1] A gear oil composition containing polyoxyalkylene glycol as a base oil, wherein the polyoxyalkylene glycol is a polymer obtained by ring-opening polymerization or ring-opening copolymerization of one or more members selected from among alkylene oxides having 2 to 4 carbon atoms and having a viscosity of 5 mm²/s to less than 20 mm²/s (at 100 DEG C). This gear composition has remarkably excellent oxidation stability and abrasion resistance at elevated temperatures and a good flowability at low temperatures. <H0> ABSTRACT </H0> A gear oil composition comprising polyoxyalkylene glycol(s) as a base oil, characterized in that said polyoxyalkylene glycol(s) are polymer(s) obtained by ring-opening polymerization or copolymerization of one or more alkylene oxides selected from the group of alkylene oxides having 2 to 4 carbon atoms and have a viscosity of 5 mm²/s to 20 mm²/s at 100 DEG C. This gear oil composition exhibits excellent properties in oxidation stability and wear resistance at high temperatures as well as in flowability at low temperatures.

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Citation (search report)

- [E] EP 0293715 A2 19881207 - BAYER AG [DE]
- [X] EP 0109515 A2 19840530 - UNION CARBIDE CORP [US]
- [X] FR 1448210 A 19660805 - KUHLMANN ETS
- [A] MECHANICAL ENGINEERING, vol. 73, June 1951, pages 469-476; C.H. SWEATT et al.: "Some industrial experiences with synthetic lubricants"
- See references of WO 8901964A1

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