

Title (en)
OVERBASED SULFURIZED ALKYL-PHENOLS AS LUBRICATING OIL ADDITIVES

Publication
EP 0259974 B1 19930512 (EN)

Application
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Priority
US 89459986 A 19860808

Abstract (en)
[origin: EP0259974A2] Oil-soluble hydrolytically stable Group II metal overbased sulfurized alkylphenol reaction products are characterized as possessing a Total Base Number of at least 300 and a viscosity of not more than 800 centistokes at 100 DEG C and containing less than 10 mole percent of unsulfurized Group II metal alkylphenol in the actives. These reaction products, which are useful as lubricating oil additives, are obtained by a process in which the appropriate reactants are reacted together in the presence of a sulfurization catalyst which enables reaction products of such high Total Base Numbers and low viscosities to be obtained.

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EP 0259974 A2 19880316; EP 0259974 A3 19880810; EP 0259974 B1 19930512; EP 0259974 B2 19970326; AU 602343 B2 19901011; AU 7633487 A 19880211; BR 8704053 A 19880405; CA 1341002 C 20000530; CN 1021345 C 19930623; CN 87105448 A 19880413; DE 3785807 D1 19930617; DE 3785807 T2 19931007; DE 3785807 T3 19970612; DK 410087 A 19880209; DK 410087 D0 19870806; ES 2054677 T3 19940816; IN 170575 B 19920411; JP S6346297 A 19880227; KR 880002818 A 19880511; MX 168483 B 19930526; NO 167659 B 19910819; NO 167659 C 19911127; NO 873316 D0 19870807; NO 873316 L 19880209; NZ 221128 A 19890927; ZA 875686 B 19880427

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