

Title (en)

Lubricant composition comprising an ester of a C17 alcohol mixture

Title (de)

Schmiermittelzusammensetzung mit einem Ester eines C17 Alkoholgemischs

Title (fr)

Composition lubrifiante comprenant un ester de mélange d'alcools en C17

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Application

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Priority

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Abstract (en)

The present invention relates to a lubricant composition comprising an ester component derived from (a) an alcohol component, which is a C 17 alcohol mixture having an average iso-index of 2.8 to 3.7 and (b) an acid component, which is an aliphatic C 4 -C 10 dicarboxylic acid or cyclohexanedicarboxylic acid.

IPC 8 full level

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Citation (applicant)

- US 5451630 A 19950919 - OLIVIER ERROL J [US], et al
- WO 2007144079 A2 20071221 - COGNIS IP MAN GMBH [DE], et al
- WO 2009124979 A1 20091015 - BASF SE [DE], et al
- US 5362378 A 19941108 - BORGHARD WILLIAM S [US], et al
- US 5565086 A 19961015 - CODY IAN A [CA], et al
- US 5246566 A 19930921 - MILLER STEPHEN J [US]
- US 5135638 A 19920804 - MILLER STEPHEN J [US]
- EP 0710710 A2 19960508 - EXXON RESEARCH ENGINEERING CO [US]
- EP 0321302 A2 19890621 - EXXON RESEARCH ENGINEERING CO [US]
- EP 0321304 A2 19890621 - EXXON RESEARCH ENGINEERING CO [US]
- US 4149178 A 19790410 - ESTES EARL M
- US 3382291 A 19680507 - BRENNAN JAMES A
- US 3742082 A 19730626 - BRENNAN J
- US 3769363 A 19731030 - BRENNAN J
- US 3876720 A 19750408 - HEILMAN WILLIAM J, et al
- US 4239930 A 19801216 - ALLPHIN N LEE [US], et al
- US 4367352 A 19830104 - WATTS JR LEWIS W, et al
- US 4413156 A 19831101 - WATTS JR LEWIS W [US], et al
- US 4434408 A 19840228 - BABA YASU HARU [JP], et al
- US 4910355 A 19900320 - SHUBKIN RONALD L [US], et al
- US 4956122 A 19900911 - WATTS RAYMOND F [US], et al
- US 5068487 A 19911126 - THERIOT KEVIN J [US]
- WO 2008014315 A2 20080131 - LUBRIZOL CORP [US], et al
- US 3087936 A 19630430 - LE SUER WILLIAM M
- US 3254025 A 19660531 - LE SUER WILLIAM M
- US 4234435 A 19801118 - MEINHARDT NORMAN A, et al
- US 3172892 A 19650309
- US 3381022 A 19680430 - LE SUER WILLIAM M
- H. MACHEMER, ANGEWANDTE CHEMIE, vol. 64, 1952, pages 213 - 220
- G. DIECKELMANN; H.J. HEINZ, THE BASICS OF INDUSTRIAL OLEOCHEMISTRY, 1988, pages 145 - 145
- "Industry Services Department", December 1996, AMERICAN PETROLEUM INSTITUTE, article "Engine Oil Licensing and Certification System"
- KIRK; OTHMER: "Encyclopedia of Chemical Technology", vol. 9, article "Fats and Fatty Oils", pages: 795 - 831
- LECITHINS, vol. 14, pages 250 - 269

Citation (search report)

- [Y] WO 2011034829 A1 20110324 - LUBRIZOL CORP [US], et al
- [Y] DE 102006001768 A1 20070719 - COGNIS IP MAN GMBH [DE]
- [Y] DE 4313948 A1 19941103 - HENKEL KGAA [DE]
- [AD] WO 2009124979 A1 20091015 - BASF SE [DE], et al
- [A] EP 0264842 A2 19880427 - BASF AG [DE]
- [A] DE 102009047228 A1 20110601 - BASF SE [DE]
- [A] US 7038005 B1 20060502 - O'LENICK JR ANTHONY J [US]

Cited by

CN114350427A; CN105602682A; CN106947570A; CN114836252A; CN108165351A; CN113308290A; US10927321B2; US10774287B2

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