Title (en)
  Synthetic lubricant base stocks.

Title (de)
  Basis für synthetische Schmiermittel.

Title (fr)
  Base pour lubrifiant synthétique.

Publication
  EP 0466307 A1 19920115 (EN)

Application
  EP 91304307 A 19910514

Priority
  • US 53690690 A 19900612
  • US 54526090 A 19900628

Abstract (en)
  Synthetic lubricant base stocks comprise oligomers prepared by reacting an olefin composition comprising a linear olefin having from 10 to
  24 carbon atoms, in the presence of an acid montmorillonite clay and of anisole, diphenyl ether or diphenyl, thereby providing products which
  additionally contain an alkyl-substituted diphenyl, diphenyl ether or anisole having the formula: <CHEM> wherein R<1> is a group of the formula
  <CHEM> and where R<2>, R<3>, R<4>, R<5> R<6> and R<7> are each H or an alkyl group having 1 to 24 carbon atoms, provided that at least
  one of R<2>, R<3>, R<4>, R<5>, R<6> and R<7> is an alkyl group containing from 10 to 24 carbon atoms, R<1><1> is an alkyl group having 1 to
  10 carbon atoms; R<2> is an alkyl group having 10 to 24 carbon atoms; and R<3> and R<4> are each H or an alkyl group having up to 10 carbon
  atoms. The resulting product may be completely or partially hydrogenated.

IPC 1-7
  C10M 111/04

IPC 8 full level
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  C10N 60/02 (2006.01); C10N 70/00 (2006.01)

CPC (source: EP)
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  C10M 2205/0285 (2013.01); C10M 2207/04 (2013.01); C10M 2207/0406 (2013.01)

Citation (search report)
  • [X] US 3808134 A 19740430 - ROMINE H
  • [X] FR 2318220 A1 19770211 - EXXON RESEARCH ENGINEERING CO [US]
  • [X] FR 2501224 A1 19820910 - NYCO SA [FR]
  • [AD] US 4480142 A 19841030 - COBB RAYMOND L [US]

Cited by
  EP0513963A3; EP0515022A3; US7879778B2

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