

Title (en)

Use of polyalphaolefins (pao) derived from 1-dodecene or 1-tetradecene to improve thermal stability of engine oils in internal combustion engines

Title (de)

Verwendung von Polyalphaolefins(pao) von 1-Dodecen oder 1-Tetradecen zur Verbesserung der thermischen Stabilität von Motoröl in Verbrennungsmaschinen

Title (fr)

Utilisation des polyolefines (pao) dérivées de 1-dodecene ou 1-tetradecene pour améliorer la stabilité thermique des huiles de moteur dans les moteurs à combustion interne

Publication

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Application

**EP 04027778 A 19990127**

Priority

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Abstract (en)

The present invention relates to compositions of automotive engine oils using synthetic polyalphaolefins derived from olefins other than 1-decene, especially 1-dodecene, to improve engine oil performance, as demonstrated by the severe Volkswagen T-4, Volkswagen TDI, and Sequence IIIE tests.

IPC 1-7

**C10M 107/10**; C10M 111/04; C07C 2/06

IPC 8 full level

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CPC (source: EP)

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Citation (search report)

- [X] US 4218330 A 19800819 - SHUBKIN RONALD L [US]
- [X] GB 2307243 A 19970521 - ALBEMARLE S A [BE]
- [A] GB 2078776 A 19820113 - NIPPON PETROCHEMICALS CO LTD
- [A] GB 1264981 A 19720223
- [A] US 3763244 A 19731002 - SHUBKIN R
- [A] DATABASE WPI Section Ch Week 9403, Derwent World Patents Index; Class A17, AN 94-023131, XP002068813

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