

Title (en)
MOTOR OIL WITH HIGH DISPENSING CAPACITY

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EP 0542111 A3 19930616 (DE)

Application
EP 92118840 A 19921104

Priority
DE 4137269 A 19911113

Abstract (en)
[origin: EP0542111A2] The invention relates to motor oils with high dispersing capacity, both single-grade and multigrade oils based on known, commercially available SAE viscosity class lubricating oil compositions; this is achieved in such a way that 0.5 to 2% by weight of a polyalkyl (meth)acrylate, which is a copolymer of 80 to 99.5 parts by weight of a C6- to C24-alkyl (meth)acrylate and 0.5 to 20 parts by weight of a C2- to C6-hydroxyalkyl (meth)acrylate and/or of a polyalkoxy(ether)ester of (meth)acrylic acid having a molecular weight of from 5,000 to 250,000 g/mol, is also added to the conventional formulations.

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Citation (search report)
• [X] FR 1306897 A 19621019 - SHELL INT RESEARCH
• [X] GB 768690 A 19570220 - CALIFORNIA RESEARCH CORP
• [AD] EP 0418610 B1 19940119 - ROEHM GMBH [DE]
• [A] GB 1333733 A 19731017 - SHELL INT RESEARCH
• [A] US 3244631 A 19660405 - VOORT HENRICUS G P VAN DER

Cited by
US6409778B1; EP0697457A1; EP0570093A1; WO9927037A1; WO2008053033A3; DE102010001040A1; WO2011088929A1; US9200233B2

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