

Title (en)

LUBRICATING OIL ADDITIVE AND LUBRICATING OIL COMPOSITION CONTAINING SAME

Title (de)

SCHMIERÖLADDITIV UND DIESES ENTHALTENDE SCHMIERÖLZUSAMMENSETZUNG

Title (fr)

ADDITIF POUR HUILE LUBRIFIANTE ET COMPOSITION POUR HUILE LUBRIFIANTE CONTENANT CELUI-CI

Publication

EP 1717298 A4 20120711 (EN)

Application

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Priority

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Abstract (en)

[origin: EP1717298A1] The present invention provides a lubricating oil additive with excellent cleaning performance which does not include metal components such as calcium or magnesium, and a lubricating oil composition containing the same. The lubricating oil additive according to the present invention is characterized by containing a quaternary ammonium salt having a base number of at least 10 mgKOH/g. Examples of such a quaternary ammonium salt include quaternary ammonium salts obtained by subjecting counter anions in cationic surfactants such as tetraalkylammonium chloride and tetraalkylammonium sulfate to salt-exchange.

IPC 8 full level

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Citation (search report)

- [X] US 4902437 A 19900220 - VARDI JOSEPH [US], et al
- [X] US 2344886 A 19440321 - EUGENE LIEBER
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Citation (examination)

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