

Title (en)

Tetrahydroquinoline as an antioxidant for lubricants.

Title (de)

Tetrahydrochinoline als Antioxidantien für Schmiermittel.

Title (fr)

Tétrahydroquinoline comme agent anti-oxydant pour lubrifiant.

Publication

**EP 0072349 A2 19830216 (DE)**

Application

**EP 82810325 A 19820804**

Priority

CH 513081 A 19810810

Abstract (en)

[origin: CA1199623A] Tetrahydroquinolines as antioxidants for lubricants Lubricants can be rendered more resistant to oxidation with the aid of compounds of the formula I <IMG> (I) wherein R1 and R2 independently of one another are each hydrogen, hydroxyl, C1-C18-alkoxy, C3-C4-alkenoxy, benzyloxy, C1-C18-alkyl or benzyl, R2 is hydrogen or C1-C12-alkyl, or together with R2 it forms a butadienediyl group, and R4 independently of one another are each C1-C18- alkyl, phenyl or benzyl, or R3 and R4 together with the carbon atom to which they are bound form a C5-Cl2-spiro-cycloalkyl ring, R5 is hydrogen or C1-C18-alkyl, and R6 is C1-C18-alkyl, or R5 and R6 together with the two carbon atom to which they are bound are a C5-C12 cycloaliphatic group. In a preferred embodiment, these compounds are combined with a customary phenolic antioxidant.

Abstract (de)

Schmiermittel können mit Hilfe von Verbindungen der Formel I <IMAGE> worin die Reste R1, R2, R'2, R3, R4, R5 und R6 die im Anspruch 1 angegebene Bedeutung haben antioxidativ ausgerüstet werden. In einer bevorzugten Ausführungsform werden diese in Kombination mit einem herkömmlichen phenolischen Antioxidant kombiniert.

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IPC 8 full level

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CPC (source: EP US)

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