

Title (en)

Beta-dithiophosphorilated propionic acid in lubricants

Title (de)

Beta-Dithiophosphorylierte Propionsäure in Schmierstoffen

Title (fr)

Des lubrifiants contenant un acide propionique bêta-dithiophosphorylé

Publication

EP 0819754 A1 19980121 (DE)

Application

EP 97810446 A 19970707

Priority

CH 176996 A 19960715

Abstract (en)

Composition comprises: (A) a lubricant or fuel, metal processing fluid or hydraulic fluid; (B) a compound of formula (I) (where, R1 and R2 = 3-18C alkyl, 5-12C cycloalkyl, 5-6C cycloalkylmethyl, 9-10C bicycloalkylmethyl, 9-10C tricycloalkylmethyl, phenyl, 7-24C alkylphenol or together are a group of formula (CH3)2C(CH2)2; and R3 = H or methyl; and optionally (C) further usual additives. Also claimed is a process for improving the properties of lubricants, hydraulic fluids or metal processing fluids by adding the above composition (I).

Abstract (de)

Es werden Zusammensetzungen beschrieben enthaltend A) einen Schmierstoff, eine Metallbearbeitungs- oder eine Hydraulikflüssigkeit, insbesondere ein Grundöl aus der Gruppe der mineralischen, pflanzlichen oder synthetischen (wie z.B. Poly- α -olefin- oder Esteröle) Öle; B) 0,005 bis zu 1,0 Gew.% einer Verbindung der Formel <IMAGE> worin R1 und R2 unabhängig voneinander C3-C18-Alkyl, C5-C12-Cycloalkyl, C5-C6-Cycloalkylmethyl, C9-C10-Bicycloalkylmethyl, C9-C10-Tricycloalkylmethyl, Phenyl C7-C24 Alkylphenyl oder zusammen (CH3)2C(CH2)2 bedeuten, und R3 Wasserstoff oder Methyl ist, sowie gegebenenfalls, C) weitere übliche Öladditive aus den Gruppen der Antioxidantien, Metall-Desaktivatoren, Rost-Inhibitoren, Dispergatoren, Detergentien, Viskositätsindexverbesserern, Stockpunktniedriger, Antischaummittel, Festschmierstoffe und weiteren Verschleißschutzadditive.

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IPC 8 full level

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CPC (source: EP KR US)

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