

Title (en)

Use of a 4-oxo-butanoic acid in lubricating oil compositions

Title (de)

Verwendung einer 4-Oxobutansäure in Schmierölzusammensetzungen

Title (fr)

Utilisation d'un acide 4-oxobutanoïque dans des compositions d'huile lubrifiante

Publication

**EP 1925655 A1 20080528 (EN)**

Application

**EP 07121012 A 20071119**

Priority

- EP 06124583 A 20061122
- EP 07121012 A 20071119

Abstract (en)

An automotive lubricating oil composition, comprises: (A) an oil of lubricating viscosity in a major amount; and (B) as an additive component in a minor amount, an oil-soluble or oil-dispersible 4-oxobutanoic acid having the moiety  $-CO(CH_2)_2COOH$  bonded to (i) a group OR 1 where R 1 is hydrocarbyl group having 10 to 30 carbon atoms; or (ii) a group X being an aromatic group substituted with at least one hydrocarbyl group having 10 to 30 carbon atoms; or (iii) a group NR 2 R 3 where one or both of R 2 and R 3 is hydrocarbyl group having from 10 to 30 carbon atoms and one but not both of R 2 and R 3 may be a hydrogen atom, or a salt thereof.

IPC 8 full level

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Citation (applicant)

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- GB 2106106 A 19830407 - LUBRIZOL CORP [US]
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- US 2715108 A 19550809 - FRANCIS CHARLES E
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Citation (search report)

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- [X] GB 580603 A 19460913 - STANDARD OIL CO CALIFORNIA
- [X] US 3121057 A 19640211 - GEE PAUL Y C, et al
- [X] US 2005267003 A1 20051201 - CAMENZIND HUGO [CH], et al
- [X] DATABASE WPI Week 199604, Derwent World Patents Index; AN 1996-032670, XP002471704

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