

## Title (en)

ALKALINE EARTH METAL HYDROCARBYL PHENATES, THEIR SULPHURISED DERIVATIVES, THEIR PRODUCTION AND USE THEREOF

## Publication

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## Application

**EP 87310460 A 19871126**

## Priority

GB 8628609 A 19861129

## Abstract (en)

[origin: EP0273588A1] An additive concentrate suitable for incorporation into a finished lubricating oil composition, the additive concentrate comprising: (a) a lubricating oil, (b) a lubricating oil soluble sulphurised alkaline earth metal hydrocarbyl phenate modified by incorporation of from greater than 2 to 35% by weight based on the weight of the composition of either (i) at least one carboxylic acid having the formula:  $R - @ - @ - COOH$  (I) wherein R is a C10 to C24 alkyl or alkenyl group and  $R_{<1>}$  is either hydrogen, as C1 to C4 alkyl group or a  $-CH_2-COOH$  group, or an anhydride, acid chloride or ester thereof or (ii) a di- or polycarboxylic acid containing from 36 to 100 carbon atoms or an anhydride, acid chloride or ester thereof, the composition having a TBN greater than 300.

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## IPC 8 full level

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## Cited by

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