

Title (en)

An additive for increasing the rate of burning of a liquid hydrocarbon material, and a method for its manufacture.

Title (de)

Zusatz, um den Verbrennungsertrag eines flüssigen Kohlenwasserstoff-Werfstoffs zu vergrößern und Verfahren zu seiner Herstellung.

Title (fr)

Additif pour augmenter le rendement de combustion d'un matériau hydrocarbure liquide ainsi que son procédé de fabrication.

Publication

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Application

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Priority

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Abstract (en)

The present invention provides an additive for fuel oils such as petrol or similar liquid hydrocarbon materials, which incorporates a uniform mixture composed of an organogermanium oxide, at least one alcohol, a liquid hydrocarbon material and a surface active agent. Adding the accelerator to the fuel oil enhances the rate of burning of the fuel. Preferred amounts are 1-1000mg of organogermanium oxide, 300-900m l of a mixture of 80% v/v of ethanol and 20% v/v methanol and 50-400mg of liquid hydrocarbon material, all per litre.

IPC 1-7

C10L 1/10

IPC 8 full level

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Citation (search report)

- [A] FR 2364260 A1 19780407 - CIBA GEIGY AG [CH]
- [A] GB 1237581 A 19710630 - MOBIL OIL CORP [US]
- [A] US 3491133 A 19700120 - REVUKAS ANTHONY J
- [A] US 3006142 A 19611031 - CARR DONALD E
- [A] FR 2241610 A1 19750321 - SVENKA UTVECKLINGSAKTIEBOLAGET [SE]
- [A] PATENTS ABSTRACTS OF JAPAN, vol. 9, no. 192 (C-296)[1915], 8th August 1985; & JP-A-60 63 288 (KITAMURA GOUKIN SEISAKUSHO K.K.) 11-04-1985
- [A] PATENTS ABSTRACTS OF JAPAN, vol. 5, no. 148 (C-72)[820], 18th September 1981; & JP-A-56 81 393 (NOBORU HIGASHIDE) 03-07-1981

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