

## Title (en)

Fuels, for spark-ignition engines, containing polyether amines

## Title (de)

Polyetheramine enthaltende Kraftstoffe für Ottomotoren

## Title (fr)

Combustibles, pour moteurs à allumage par étincelles, contenant des polyetheramines

## Publication

**EP 0700985 A1 19960313 (DE)**

## Application

**EP 95113660 A 19950831**

## Priority

DE 4432038 A 19940909

## Abstract (en)

A fuel contains small amts. of polyetheramines of formula  $R^1-(O\text{Bu})_n\text{-NR}^2\text{R}^3$  (I),  $R^1 = 2\text{-}30\text{C}$  alkyl,  $R^2$  and  $R^3 = \text{H}$ ,  $1\text{-}8\text{C}$  alkyl, aminoalkylene of formula  $\text{-R}^4\text{-NR}^5$  (II) or polyaminoalkylene of formula  $\text{-(R}^4\text{-NR}^5\text{)}_m\text{-R}^6$  (III).  $R^4 = 2\text{-}10\text{C}$  alkylene,  $R^5$  and  $R^6 = \text{H}$  or  $1\text{-}8\text{C}$  alkyl, Bu - butylene residue derived from butylene oxide, and  $n = 12\text{-}28$ .

## Abstract (de)

Kraftstoffe für Ottomotoren, enthaltend geringe Mengen von Polyetheraminen I  $R^1(O\text{Bu})_n\text{NR}^2\text{R}^3$  wobei  $R^1$ : einen C2- bis C30-Alkylrest bezeichnet,  $R^2$  und  $R^3$ : unabhängig voneinander Wasserstoff, C1- bis C8-Alkyl, einen Aminoalkylenrest der allgemeinen Formel II  $\text{R}^{<4>\text{NR}^{<5>\text{R}^{<6>}}$  oder einen Polyaminoalkylenrest der allgemeinen Formel III  $\text{'R}^{<4>\text{NR}^{<5>}}_m\text{R}^{<6>}$  in denen  $\text{R}^{<4>}$  für einen C2- bis C10-Alkylrest steht,  $\text{R}^{<5>}$  und  $\text{R}^{<6>}$  unabhängig voneinander Wasserstoff oder C1- bis C8-Alkyl bedeuten und m eine Zahl von 2 bis 8 bezeichnet, bedeuten, Bu: einen aus Butylenoxid stammenden Butylenrest bezeichnet und; n: für eine Zahl von 12 bis 28 steht.

## IPC 1-7

**C10L 1/22**; **C10L 10/00**

## IPC 8 full level

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## Citation (applicant)

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- [DX] EP 0310875 A1 19890412 - BASF AG [DE]
- [X] US 4247301 A 19810127 - HONNEN LEWIS R
- [PX] DE 4309074 A1 19940922 - BASF AG [DE]
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