

Title (en)

Fuels for spark ignition engines.

Title (de)

Kraftstoffe für Ottomotoren.

Title (fr)

Carburants pour moteurs à allumage par étincelle.

Publication

**EP 0436864 A1 19910717 (DE)**

Application

**EP 90124072 A 19901213**

Priority

DE 4000539 A 19900110

Abstract (en)

Fuels for spark-ignition engines contain small quantities of amides, amide-ammonium salts or ammonium salts of an aminoalkylene- polycarboxylic acid and long-chain secondary amines as additives for keeping the carburettor clean and for cleaning the valves.

Abstract (de)

Kraftstoffe für Ottomotoren enthaltend geringe Mengen von Amiden, Amidammoniumsalzen oder Ammoniumsalzen einer Aminoalkylenpolycarbonsäure und langkettigen sekundären Aminen als Additive zur Vergaserreinigung und Ventilreinigung.

IPC 1-7

**C10L 1/22**

IPC 8 full level

**C10L 1/22** (2006.01); **C10L 1/222** (2006.01); **C10L 1/224** (2006.01); **F02B 1/04** (2006.01)

CPC (source: EP)

**C10L 1/222** (2013.01); **C10L 1/2222** (2013.01); **C10L 1/224** (2013.01); **F02B 1/04** (2013.01)

Citation (search report)

- [X] US 2901335 A 19590825 - FIELDS ELLIS K, et al
- [AD] EP 0006527 A1 19800109 - BASF AG [DE]
- [A] FR 2318148 A1 19770211 - BASF AG [DE]
- [A] US 3893825 A 19750708 - GOELLER LEONHARD A

Designated contracting state (EPC)

BE DE FR GB IT NL

DOCDB simple family (publication)

**EP 0436864 A1 19910717**; **EP 0436864 B1 19930922**; CA 2033829 A1 19910711; DE 4000539 A1 19910711; DE 59002846 D1 19931028

DOCDB simple family (application)

**EP 90124072 A 19901213**; CA 2033829 A 19910109; DE 4000539 A 19900110; DE 59002846 T 19901213