

Title (en)

ADDITIVE MIXTURE FOR FUEL AND LUBRICANTS

Title (de)

ADDITIVGEMISCH FÜR KRAFT- UND SCHMIERSTOFFE

Title (fr)

MELANGE D'ADDITIFS POUR CARBURANTS ET LUBRIFIANTS

Publication

EP 1537192 A1 20050608 (DE)

Application

EP 03794964 A 20030828

Priority

- DE 10239841 A 20020829
- EP 0309553 W 20030828

Abstract (en)

[origin: DE10239841A1] Additive mixture comprises a (partially) neutralized fatty acid and a detergent having a polar head group and a hydrophobic hydrocarbon group with a number-average molecular weight of 85-20000. Independent claims are also included for: (1) fuel composition comprising a hydrocarbon fuel, an additive mixture as above and optionally other additives; (2) lubricant composition comprising an additive mixture as above, a lubricant and optionally other additives; (3) additive concentrate comprising an additive mixture as above, a diluent and optionally other additives.

IPC 1-7

C10L 1/22; **C10M 141/06**; **C10N 20/04**

IPC 8 full level

C10L 1/14 (2006.01); **C10M 157/04** (2006.01); **C10M 161/00** (2006.01); **C10L 1/18** (2006.01); **C10L 1/22** (2006.01)

CPC (source: EP KR US)

C10L 1/143 (2013.01 - EP US); **C10L 1/22** (2013.01 - KR); **C10M 157/04** (2013.01 - EP KR US); **C10M 161/00** (2013.01 - EP US); **C10L 1/1881** (2013.01 - EP US); **C10L 1/19** (2013.01 - EP US); **C10L 1/2222** (2013.01 - EP US); **C10L 1/2225** (2013.01 - EP US); **C10L 1/231** (2013.01 - EP US); **C10L 1/238** (2013.01 - EP US); **C10L 1/2383** (2013.01 - EP US); **C10L 1/2387** (2013.01 - EP US); **C10M 2207/28** (2013.01 - EP US); **C10M 2215/02** (2013.01 - EP US); **C10M 2215/042** (2013.01 - EP US); **C10M 2215/14** (2013.01 - EP US); **C10M 2215/20** (2013.01 - EP US); **C10M 2215/26** (2013.01 - EP US); **C10M 2217/043** (2013.01 - EP US); **C10N 2030/04** (2013.01 - EP US); **C10N 2030/12** (2013.01 - EP US); **C10N 2040/25** (2013.01 - EP US); **C10N 2040/253** (2020.05 - EP US); **C10N 2070/02** (2020.05 - EP US)

Citation (search report)

See references of WO 2004024851A1

Citation (examination)

- EP 1375629 A2 20040102 - CHEVRON ORONITE CO [US]
- EP 1357170 A2 20031029 - ETHYL CORP [US]

Designated contracting state (EPC)

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DOCDB simple family (application)

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