

Title (en)

ESTER FLUIDS WITH HIGH TEMPERATURE STABILITY

Title (de)

ESTERFLUIDEN MIT STABILITÄT BEI HOHER TEMPERATUR

Title (fr)

FLUIDES D'ESTER POSSEDANT UNE STABILITE A HAUTES TEMPERATURES

Publication

EP 0723575 A4 19970122 (EN)

Application

EP 94930404 A 19940815

Priority

- US 9409345 W 19940815
- US 6948393 A 19930601
- US 99267192 A 19921218

Abstract (en)

[origin: WO9605277A1] An ester-containing reaction product of a carbonyl compound, preferably an acyl halide and a thiodiphenol has high temperature antioxidant properties. The reaction product is useful as a synthetic lubricant base fluid or as an antioxidant additive when used in minor amounts of 0.01 to 10 wt.% in a mineral oil or hydrocracked oil lubricant base fluid. The reaction product can also be used in a fuel.

IPC 1-7

C10M 135/04; **C10M 135/00**

IPC 8 full level

C10L 1/24 (2006.01); **C07C 319/20** (2006.01); **C07C 323/20** (2006.01); **C10L 1/14** (2006.01); **C10L 10/00** (2006.01); **C10L 10/08** (2006.01); **C10M 105/72** (2006.01); **C10M 111/02** (2006.01); **C10M 135/00** (2006.01); **C10M 135/04** (2006.01); **C10M 135/06** (2006.01); **C10M 135/28** (2006.01); **C10M 135/30** (2006.01); **C10N 30/06** (2006.01); **C10N 30/08** (2006.01); **C10N 30/10** (2006.01); **C10N 40/25** (2006.01)

CPC (source: EP)

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Citation (search report)

- [A] WO 9414931 A1 19940707 - MOBIL OIL CORP [US]
- [A] US 4342473 A 19820803 - CHANG CHENG H
- [A] US 2355240 A 19440808 - REIFF ORLAND M
- [X] DATABASE WPI Section Ch Week 9409, Derwent World Patents Index; Class A23, AN 94-068871, XP002019892
- See references of WO 9605277A1

Designated contracting state (EPC)

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WO 9605277 A1 19960222; AU 678864 B2 19970612; AU 7953394 A 19960307; CA 2171981 A1 19960222; CA 2171981 C 20031104; EP 0723575 A1 19960731; EP 0723575 A4 19970122; JP 3786423 B2 20060614; JP H09504336 A 19970428

DOCDB simple family (application)

US 9409345 W 19940815; AU 7953394 A 19940815; CA 2171981 A 19940815; EP 94930404 A 19940815; JP 50726296 A 19940815