

Title (en)
POLYOL ESTER FUELS ADDITIVE

Title (de)
TREIBSTOFFZUSATZ AUF BASIS VON POLYOLESTER

Title (fr)
ADDITIF POUR COMBUSTIBLES A BASE D'ESTER DE POLYALCOOL

Publication
EP 0948586 A4 20000223 (EN)

Application
EP 97942478 A 19970911

Priority
• US 9716329 W 19970911
• US 71299196 A 19960913

Abstract (en)
[origin: WO9811177A1] A polyol ester fuel additive exhibits reduced intake valve deposits and combustion chamber deposits. The ester has between about 1 % and about 35 % unconverted hydroxyl groups and is characterized as having an hydroxyl number from about 5 to about 180.

IPC 1-7
C10L 1/18; **C10L 10/00**

IPC 8 full level
C10L 1/18 (2006.01); **C10L 1/19** (2006.01); **C10L 10/00** (2006.01); **C10L 10/04** (2006.01); **C10L 10/08** (2006.01)

CPC (source: EP)
C10L 1/191 (2013.01); **C10L 10/04** (2013.01); **C10L 10/08** (2013.01)

Citation (search report)
• [X] US 3377149 A 19680409 - ECKERT GEORGE W, et al
• [X] US 2868629 A 19590113 - ANNABLE WELDON G, et al
• [X] US 3672854 A 19720627 - ROSENWALD ROBERT H, et al
• See references of WO 9811177A1

Designated contracting state (EPC)
AT BE CH DE DK ES FI FR GB GR IE IT LI LU NL

DOCDB simple family (publication)
WO 9811177 A1 19980319; AU 4416697 A 19980402; AU 734585 B2 20010614; BR 9711783 A 19990824; CA 2264707 A1 19980319; CN 1230210 A 19990929; EP 0948586 A1 19991013; EP 0948586 A4 20000223; JP 2001501231 A 20010130

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US 9716329 W 19970911; AU 4416697 A 19970911; BR 9711783 A 19970911; CA 2264707 A 19970911; CN 97197899 A 19970911; EP 97942478 A 19970911; JP 51395498 A 19970911