

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

DOCDB simple family (application)  
**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