

Title (en)  
BRAKE FLUIDS FOR MOTOR VEHICLES

Publication  
**EP 0013925 B1 19830119 (DE)**

Application  
**EP 80100161 A 19800114**

Priority  
DE 2901835 A 19790118

Abstract (en)  
[origin: EP0013925A1] 1. Brake fluid for motor vehicles consisting of A) from 10 to 30 % by weight of at least one boric acid ester of the formula I see diagramm : EP0013925,P6,F1 in which R and R1 are alkyl of from 1 to 4 carbon atoms, and x and y are 2 or 3, B) from 50 to 80 % of at least one diluent selected from the group consisting of ethylene glycolmonoalkyl ether of the formula II R2 (OC2 H4 )n -OH in which R2 is alkyl of from 1 to 4 carbon atoms and n is an integer of from 1 to 4, C) 5 to 10 % of at least a further diluent according to formula III see diagramm : EP0013925,P6,F2 in which R3 and R4 are alkyl of from 1 to 4 carbon atoms, R5 is hydrogen or methyl and z is an integer of from 1 to 10, D) 1 to 10 % of at least one inhibitor and E) 5 to 18 % of at least one lubricant according to formula IV see diagramm : EP0013925,P6,F3 in which R6 is hydrogen, methyl or ethyl and m is an integer of from 2 to 10, percents by weight relative to the weight of the fluid.

IPC 1-7  
**C10M 3/48**

IPC 8 full level  
**C10M 111/02** (2006.01); **C10M 111/04** (2006.01); **C10N 30/10** (2006.01); **C10N 30/12** (2006.01); **C10N 40/08** (2006.01)

CPC (source: EP)  
**C10M 111/04** (2013.01); **C10M 2201/062** (2013.01); **C10M 2201/085** (2013.01); **C10M 2207/023** (2013.01); **C10M 2207/025** (2013.01); **C10M 2207/026** (2013.01); **C10M 2207/08** (2013.01); **C10M 2207/125** (2013.01); **C10M 2207/129** (2013.01); **C10M 2209/104** (2013.01); **C10M 2209/105** (2013.01); **C10M 2209/106** (2013.01); **C10M 2215/04** (2013.01); **C10M 2215/042** (2013.01); **C10M 2215/044** (2013.01); **C10M 2215/065** (2013.01); **C10M 2215/22** (2013.01); **C10M 2215/221** (2013.01); **C10M 2215/225** (2013.01); **C10M 2215/226** (2013.01); **C10M 2215/26** (2013.01); **C10M 2215/30** (2013.01); **C10M 2219/108** (2013.01); **C10M 2223/04** (2013.01); **C10M 2223/042** (2013.01); **C10M 2227/062** (2013.01); **C10N 2010/02** (2013.01); **C10N 2040/08** (2013.01)

Cited by  
EP0028789A1; US6783693B1

Designated contracting state (EPC)  
AT BE CH DE FR GB IT NL SE

DOCDB simple family (publication)  
**EP 0013925 A1 19800806**; **EP 0013925 B1 19830119**; AT E2274 T1 19830215; BR 8000298 A 19801021; CA 1137071 A 19821207; DE 2901835 A1 19800731; DE 3061647 D1 19830224; JP S5598296 A 19800726; JP S6252798 B2 19871106; MX 154414 A 19870812; ZA 80291 B 19810128

DOCDB simple family (application)  
**EP 80100161 A 19800114**; AT 80100161 T 19800114; BR 8000298 A 19800117; CA 343853 A 19800117; DE 2901835 A 19790118; DE 3061647 T 19800114; JP 315480 A 19800117; MX 18087080 A 19800118; ZA 80291 A 19800117