

Title (en)
HYDRAULIC FLUIDS

Publication
EP 0023700 B1 19820127 (DE)

Application
EP 80104490 A 19800730

Priority
DE 2931974 A 19790807

Abstract (en)
[origin: EP0023700A1] 1. Hydraulic fluid consisting of a) 20 to 60 percent by weight, relative to the total weight of the fluid, of at least one boric acid ester of the formula I see diagramm : EP0023700,P8,F1 wherein R is an alkyl group with 1 to 6 carbon atoms, R**1 is an alkyl group with 1 to 10 carbon atoms, and x and y are an integer from 1 to 4, b) 35 to 80 percent by weight, relative to the total weight of the fluid, of at least one compound selected from the group consisting of b1) ethylene glycol monoalkyl ethers of the formula II R**3 (OCH₂ CH₂)_n - OH wherein R**2 is an alkyl group with 1 to 6 carbon atoms and n is an integer from 1 to 6, b2) ethyleneglycol dialkyl ethers of the formula III R**3 (OCH₂ CH₂)_n OR**4 wherein R**3 and R**4 are an alkyl group with 1 to 6 carbon atoms and n is an integer from 1 to 6 ; and b3) bis-(ethylene glycol monoalkyl ether)-formals of the formula IV R**5 (OCH₂ CH₂)_n O - CH₂ - O(CH₂ CH₂ O)_n R**6 wherein R**5 and R**6 are an alkyl group with 1 to 6 carbon atoms and n is an integer from 1 to 6 ; and c) 0 to 10 percent by weight, relative to the total weight of the fluid, of at least one inhibitor.

IPC 1-7
C10M 3/48; **C07F 5/04**

IPC 8 full level
C07F 5/04 (2006.01); **C10M 111/04** (2006.01)

CPC (source: EP)
C10M 111/04 (2013.01); **C10M 2201/062** (2013.01); **C10M 2201/085** (2013.01); **C10M 2207/025** (2013.01); **C10M 2207/026** (2013.01); **C10M 2207/04** (2013.01); **C10M 2207/046** (2013.01); **C10M 2207/125** (2013.01); **C10M 2207/129** (2013.01); **C10M 2209/104** (2013.01); **C10M 2215/04** (2013.01); **C10M 2215/042** (2013.01); **C10M 2215/064** (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)

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

DOCDB simple family (publication)
EP 0023700 A1 19810211; **EP 0023700 B1 19820127**; AT E619 T1 19820215; DE 2931974 A1 19810226; DE 3060159 D1 19820311

DOCDB simple family (application)
EP 80104490 A 19800730; AT 80104490 T 19800730; DE 2931974 A 19790807; DE 3060159 T 19800730