

Title (en)
HYDRAULIC FLUIDS

Publication
EP 0129240 B1 19880330 (EN)

Application
EP 84106971 A 19840618

Priority
IT 2169883 A 19830621

Abstract (en)
[origin: EP0129240A1] Fluids for hydraulic breaks are described which have a content in boron of from 0% to 1% by weight and essentially consist of: (a) an alkylenglycol; (b) alkylenglycol monoalkylether; (c) a polyalkylenglycol monoalkylether of the general formula: RO & lparstr& CHR min CH2O & rparstr& nH wherein: R = C1-C4 alkyl; R min = H, CH3; n = an integer which confers onto the compound a molecular weight comprised between 208 and 1000; and possibly (d) the reaction product of (a) with a boron compound. They display excellent characteristics, in particular high boiling points under wet conditions, and low viscosities at low temperatures.

IPC 1-7
C10M 111/04; C10M 107/34; C10M 169/04

IPC 8 full level
C10M 111/04 (2006.01); **C10M 169/04** (2006.01); **C10M 105/00** (2006.01); C10N 40/08 (2006.01)

CPC (source: EP)
C10M 105/04 (2013.01); **C10M 105/18** (2013.01); **C10M 105/78** (2013.01); **C10M 107/34** (2013.01); **C10M 111/04** (2013.01); **C10M 129/08** (2013.01); **C10M 129/16** (2013.01); **C10M 133/06** (2013.01); **C10M 145/36** (2013.01); **C10M 169/04** (2013.01); **C10M 169/044** (2013.01); C10M 2201/082 (2013.01); C10M 2203/045 (2013.01); C10M 2207/022 (2013.01); C10M 2207/0225 (2013.01); C10M 2207/023 (2013.01); C10M 2207/024 (2013.01); C10M 2207/04 (2013.01); C10M 2207/0406 (2013.01); C10M 2207/046 (2013.01); C10M 2209/1033 (2013.01); C10M 2209/104 (2013.01); C10M 2209/1045 (2013.01); C10M 2209/105 (2013.01); C10M 2209/1055 (2013.01); C10M 2209/1065 (2013.01); C10M 2209/1075 (2013.01); C10M 2209/108 (2013.01); C10M 2209/1085 (2013.01); C10M 2209/1095 (2013.01); C10M 2215/04 (2013.01); C10M 2227/061 (2013.01); C10M 2227/0615 (2013.01); C10M 2227/062 (2013.01); C10M 2227/0625 (2013.01); C10N 2020/01 (2020.05); C10N 2040/08 (2013.01)

C-Set (source: EP)
1. C10M 2209/1033 + C10M 2209/1033
2. C10M 2209/1045 + C10M 2209/1045
3. C10M 2209/1055 + C10M 2209/1055
4. C10M 2209/1065 + C10M 2209/1065
5. C10M 2209/1075 + C10M 2209/1075
6. C10M 2209/1085 + C10M 2209/1085
7. C10M 2209/1095 + C10M 2209/1095

Cited by
EP4130211A1; EP3929269A1; WO2021259514A1; WO2023011801A1; EP4056669A1; WO2022189047A1; US9868919B2; WO2004053031A3; WO2014164087A1; US12012569B2; WO2004081155A1

Designated contracting state (EPC)
BE DE FR GB NL

DOCDB simple family (publication)
EP 0129240 A1 19841227; **EP 0129240 B1 19880330**; **EP 0129240 B2 19940601**; DE 3470176 D1 19880505; IT 1163547 B 19870408; IT 8321698 A0 19830621; JP H0458520 B2 19920917; JP S6013892 A 19850124

DOCDB simple family (application)
EP 84106971 A 19840618; DE 3470176 T 19840618; IT 2169883 A 19830621; JP 12390184 A 19840618