

Title (en)
Hydraulic fluid with improved properties.

Title (de)
Hydraulische Flüssigkeit mit verbesserten Eigenschaften.

Title (fr)
Fluide hydraulique à propriétés améliorées.

Publication
EP 0028789 A1 19810520 (DE)

Application
EP 80106748 A 19801103

Priority
DE 2945094 A 19791108

Abstract (en)
[origin: US4371448A] A hydraulic fluid which substantially fulfils the specification DOT 5 is described. This hydraulic fluid essentially consists of (A) about 20 to 40% by weight of at least one boric acid ester obtained from orthoboric acid, diethylene glycol and an ethylene glycol monoalkyl ether; (B) 30 to 60% by weight of at least one ethylene glycol monoalkyl ether; (C) 10 to 40% by weight of at least one bis-(ethylene glycol monoalkyl ether)-formal; (D) 0.1 to 5% by weight of at least one alkylamine; and (E) 0.05 to 5% by weight of at least one stabilizer and/or inhibitor; the percentages by weight in each case being relative to the total weight of the fluid.

Abstract (de)
Es wird eine hydraulische Flüssigkeit beschrieben, die die Spezifikation DOT 5 weitgehend erfüllt. Diese hydraulische Flüssigkeit besteht im wesentlichen aus A) etwa 20 bis 40 Gew.-% von mindestens einem Borsäureester aus Orthoborsäure, Diethylenglykol und einem Ethylenglykolmonoalkylether; B) 30 bis 60 Gew.-% von mindestens einem Ethylenglykolmonoalkylether; C) 10 bis 40 Gew.-% von mindestens einem Bis-(ethylenglykolmonoalkylether)-formel; D) 0.1 bis 5 Gew.-% von mindestens einem Alkylamin; und E) 0.05 bis 5 Gew.-% von mindestens einem Stabilisator und/oder Inhibitor; Gewichtsprozente jeweils bezogen auf das Gesamtgewicht der Flüssigkeit.

IPC 1-7
C10M 3/48

IPC 8 full level
C10M 111/04 (2006.01); **C10M 169/04** (2006.01); **C10N 30/02** (2006.01); **C10N 40/08** (2006.01)

CPC (source: EP US)
C10M 105/78 (2013.01 - EP US); **C10M 107/34** (2013.01 - EP US); **C10M 111/04** (2013.01 - EP US); **C10M 169/04** (2013.01 - EP US); **C10M 2207/023** (2013.01 - EP US); **C10M 2207/025** (2013.01 - EP US); **C10M 2207/026** (2013.01 - EP US); **C10M 2207/125** (2013.01 - EP US); **C10M 2207/129** (2013.01 - EP US); **C10M 2209/1033** (2013.01 - EP US); **C10M 2209/1045** (2013.01 - EP US); **C10M 2209/1055** (2013.01 - EP US); **C10M 2209/1065** (2013.01 - EP US); **C10M 2209/1075** (2013.01 - EP US); **C10M 2209/1085** (2013.01 - EP US); **C10M 2209/1095** (2013.01 - EP US); **C10M 2215/04** (2013.01 - EP US); **C10M 2215/042** (2013.01 - EP US); **C10M 2215/065** (2013.01 - EP US); **C10M 2215/22** (2013.01 - EP US); **C10M 2215/221** (2013.01 - EP US); **C10M 2215/225** (2013.01 - EP US); **C10M 2215/226** (2013.01 - EP US); **C10M 2215/26** (2013.01 - EP US); **C10M 2215/30** (2013.01 - EP US); **C10M 2219/108** (2013.01 - EP US); **C10M 2223/04** (2013.01 - EP US); **C10M 2223/042** (2013.01 - EP US); **C10M 2227/061** (2013.01 - EP US); **C10M 2227/0615** (2013.01 - EP US); **C10M 2227/062** (2013.01 - EP US); **C10M 2227/0625** (2013.01 - EP US); **C10N 2010/02** (2013.01 - EP US); **C10N 2040/08** (2013.01 - EP US)

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

DOCDB simple family (publication)
EP 0028789 A1 19810520; **EP 0028789 B1 19830831**; AT E4550 T1 19830915; BR 8007194 A 19810512; CA 1168651 A 19840605; DE 2945094 A1 19810521; DE 3064713 D1 19831006; JP S5676498 A 19810624; MX 155641 A 19880408; US 4371448 A 19830201; ZA 806880 B 19811125

DOCDB simple family (application)
EP 80106748 A 19801103; AT 80106748 T 19801103; BR 8007194 A 19801106; CA 364226 A 19801107; DE 2945094 A 19791108; DE 3064713 T 19801103; JP 15602780 A 19801107; MX 18467580 A 19801107; US 20432680 A 19801105; ZA 806880 A 19801107