

Title (en)
WATER-BASED HYDRAULIC FLUID.

Title (de)
AUF WASSER BASIERENDES HYDRAULISCHES FLUIDUM.

Title (fr)
FLUIDE HYDRAULIQUE A BASE D'EAU.

Publication
EP 0148215 A1 19850717 (EN)

Application
EP 84902420 A 19840608

Priority
US 50883183 A 19830629

Abstract (en)
[origin: GB2152529A] Water-based hydraulic fluid for use in industrial hydraulic systems comprising (1) a polyether-based thickener, (2) a lubricant modifier (3) a dispersant, (4) an EP additive, and (5) water. Preferably, the thickener is a polyether polyol capped with an alpha olefin oxide; the lubricant modifier is a combination of a hydrocarbon oil, a fatty alcohol and a glycol; the dispersant is the reaction product of an alkenyl succinic anhydride and a dialkyl alkanolamine, and the EP additive is a dialkyl dithiophosphate.

Abstract (fr)
Fluide hydraulique à base d'eau destiné à être utilisé dans des systèmes hydrauliques industriels comportant 1) un épaississant à base de polyéther, 2) un modificateur lubrifiant, 3) un dispersant, 4) un additif d'extrême pression (EP) et 5) de l'eau. L'épaississant est de préférence un polyéther polyol coiffé d'un oxyde d'alpha oléfine; le modificateur lubrifiant est une combinaison d'une huile d'hydrocarbure, d'un alcool gras et d'un glycol; le dispersant est le produit de réaction d'un anhydride succinique d'alcénile et d'une alcanolamine de dialcoyle; l'additif d'extrême pression (EP) est un dithiophosphate de dialcoyle.

IPC 1-7
C10M 3/04

IPC 8 full level
C10M 119/18 (2006.01); **C10M 173/00** (2006.01); **C10M 133/56** (2006.01); **C10M 135/18** (2006.01); **C10M 137/10** (2006.01); **C10M 173/02** (2006.01); **C10N 30/00** (2006.01); **C10N 30/06** (2006.01); **C10N 40/08** (2006.01)

CPC (source: EP KR US)
C10M 173/00 (2013.01 - EP); **C10M 173/02** (2013.01 - EP KR US); **C10M 2201/02** (2013.01 - EP); **C10M 2205/00** (2013.01 - EP); **C10M 2207/021** (2013.01 - EP); **C10M 2207/125** (2013.01 - EP); **C10M 2207/129** (2013.01 - EP); **C10M 2207/281** (2013.01 - EP); **C10M 2207/282** (2013.01 - EP); **C10M 2207/283** (2013.01 - EP); **C10M 2207/286** (2013.01 - EP); **C10M 2207/34** (2013.01 - EP); **C10M 2207/40** (2013.01 - EP); **C10M 2207/404** (2013.01 - EP); **C10M 2209/103** (2013.01 - EP); **C10M 2209/104** (2013.01 - EP); **C10M 2209/105** (2013.01 - EP); **C10M 2209/107** (2013.01 - EP); **C10M 2209/108** (2013.01 - EP); **C10M 2215/042** (2013.01 - EP); **C10M 2215/08** (2013.01 - EP); **C10M 2215/082** (2013.01 - EP); **C10M 2215/22** (2013.01 - EP); **C10M 2215/221** (2013.01 - EP); **C10M 2215/225** (2013.01 - EP); **C10M 2215/226** (2013.01 - EP); **C10M 2215/28** (2013.01 - EP); **C10M 2215/30** (2013.01 - EP); **C10M 2219/044** (2013.01 - EP); **C10M 2219/068** (2013.01 - EP); **C10M 2223/045** (2013.01 - EP); **C10M 2229/02** (2013.01 - EP); **C10M 2229/05** (2013.01 - EP); **C10N 2010/02** (2013.01 - EP); **C10N 2010/04** (2013.01 - EP); **C10N 2010/10** (2013.01 - EP); **C10N 2010/12** (2013.01 - EP); **C10N 2010/14** (2013.01 - EP KR US); **C10N 2020/01** (2020.05 - EP); **C10N 2040/08** (2013.01 - EP); **C10N 2050/01** (2020.05 - EP)

Cited by
DE102004048778B3; US7615102B2

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

DOCDB simple family (publication)
GB 2152529 A 19850807; **GB 2152529 B 19861119**; **GB 8503919 D0 19850320**; AU 3064684 A 19850125; AU 555383 B1 19860918; BR 8406955 A 19850604; CA 1242431 A 19880927; DE 3484057 D1 19910307; EP 0148215 A1 19850717; EP 0148215 A4 19860923; EP 0148215 B1 19910130; IT 1177846 B 19870826; IT 8448470 A0 19840628; JP H0794673 B2 19951011; JP S60501657 A 19851003; KR 850000516 A 19850227; KR 910010135 B1 19911217; WO 8500182 A1 19850117

DOCDB simple family (application)
GB 8503919 A 19840608; AU 3064684 A 19840608; AU 3064684 D 19840608; BR 8406955 A 19840608; CA 456224 A 19840608; DE 3484057 T 19840608; EP 84902420 A 19840608; IT 4847084 A 19840628; JP 50237884 A 19840608; KR 840003582 A 19840625; US 8400875 W 19840608