

Title (en)

Water-based energy transmitting fluid composition.

Title (de)

Energieübertragungsflüssigkeit auf Basis von Wasser.

Title (fr)

Composition de fluide de transmission d'énergie à base d'eau.

Publication

EP 0055488 A1 19820707 (EN)

Application

EP 81110827 A 19811229

Priority

US 22150380 A 19801230

Abstract (en)

Aqueous composition having a viscosity of at least 10.10<-><6> m<2>/s centistokes at 40 DEG C which contain up to about 80 percent by weight of water, at least 0.1 percent by weight of an acidic lubricity agent and an effective amount of an anti-wear additive which is the combination of a nitroaromatic compound component and a hydroxyl substituted aromatic acid component exhibit enhanced anti-wear and lubricity properties.

IPC 1-7

C10M 3/04; **C10M 3/00**

IPC 8 full level

C09K 5/00 (2006.01); **C10M 173/00** (2006.01); **C10M 173/02** (2006.01); **C10N 30/06** (2006.01); **C10N 30/12** (2006.01); **C10N 40/08** (2006.01)

CPC (source: EP KR)

C10M 173/00 (2013.01 - KR); **C10M 173/02** (2013.01 - EP); **C10M 2201/02** (2013.01 - EP); **C10M 2207/022** (2013.01 - EP); **C10M 2207/121** (2013.01 - EP); **C10M 2207/122** (2013.01 - EP); **C10M 2207/123** (2013.01 - EP); **C10M 2207/125** (2013.01 - EP); **C10M 2207/129** (2013.01 - EP); **C10M 2207/14** (2013.01 - EP); **C10M 2207/141** (2013.01 - EP); **C10M 2207/142** (2013.01 - EP); **C10M 2207/144** (2013.01 - EP); **C10M 2207/146** (2013.01 - EP); **C10M 2207/22** (2013.01 - EP); **C10M 2209/084** (2013.01 - EP); **C10M 2209/104** (2013.01 - EP); **C10M 2209/107** (2013.01 - EP); **C10M 2215/04** (2013.01 - EP); **C10M 2215/042** (2013.01 - EP); **C10M 2215/044** (2013.01 - EP); **C10M 2215/064** (2013.01 - EP); **C10M 2215/202** (2013.01 - EP); **C10M 2215/22** (2013.01 - EP); **C10M 2215/221** (2013.01 - EP); **C10M 2215/224** (2013.01 - EP); **C10M 2215/225** (2013.01 - EP); **C10M 2215/226** (2013.01 - EP); **C10M 2215/26** (2013.01 - EP); **C10M 2215/30** (2013.01 - EP); **C10M 2217/044** (2013.01 - EP); **C10M 2217/045** (2013.01 - EP); **C10M 2217/046** (2013.01 - EP); **C10M 2217/06** (2013.01 - EP); **C10M 2219/04** (2013.01 - EP); **C10M 2219/044** (2013.01 - EP); **C10M 2219/087** (2013.01 - EP); **C10M 2219/088** (2013.01 - EP); **C10M 2219/089** (2013.01 - EP); **C10M 2219/09** (2013.01 - EP); **C10M 2219/10** (2013.01 - EP); **C10M 2219/102** (2013.01 - EP); **C10M 2219/104** (2013.01 - EP); **C10M 2219/106** (2013.01 - EP); **C10N 2010/02** (2013.01 - EP); **C10N 2040/08** (2013.01 - EP); **C10N 2050/01** (2020.05 - EP)

Citation (search report)

- FR 1185008 A 19590729 - CHAUSSON USINES SA
- DE 2534808 A1 19760304 - SANYO CHEMICAL IND LTD
- NL 7509311 A 19760210 - SANYO CHEMICAL IND LTD
- US 2768141 A 19561023 - LANGER THEODORE W, et al
- US 3992312 A 19761116 - GENJIDA FUMIHIDE, et al
- EP 0039488 A2 19811111 - UNION CARBIDE CORP [US]
- CHEMICAL ABSTRACTS, Vol. 74, No. 10, 1971, page 108, Abstract 44104u Columbus, Ohio, US; & SU-A-279 845 (Filatov P.G.) (20-08-1970) * Abstract *
- CHEMICAL ABSTRACTS, Vol. 91, No. 22, November 1979, page 291, Abstract 179971w Columbus, Ohio, US; & SU-A-675 065 (N.A. Basalev) (25-07-1979) * Abstract *
- CHEMICAL ABSTRACTS, Vol. 81, No. 2, July 15, 1974, page 92, Abstract 5461h Columbus, Ohio, US; & JP-A-48 095 324 (Mitsubishi Heavy Ind) (07-12-1973) * Abstract *
- CHEMICAL ABSTRACTS, Vol. 82, April 16, 1975, page 146, Abstract 100283f Columbus, Ohio, US 3; & JP-A-49 079 332 (Nippon Steel Corp.) (31-07-1974) * Abstract *

Cited by

EP0260019A3; EP0309810A3; NO20181341A1; NO345520B1; WO2014068367A1; WO8605823A1; EP4272572A1; EP4272571A1; WO2023214030A1; WO2023214034A1

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DOCDB simple family (application)

EP 81110827 A 19811229; AT 81110827 T 19811229; CA 392651 A 19811218; DE 3164619 T 19811229; JP 21012981 A 19811228; KR 810005192 A 19811229; MX 19084882 A 19820104