

Title (en)

Fluids based on glycol compounds, for metal corrosion inhibiting brakes.

Title (de)

Gegen Metallkorrosion inhibierte Bremsflüssigkeiten auf der Basis von Glykolverbindungen.

Title (fr)

Fluides pour freins inhibés contre la corrosion métallique à base de composés de glycols.

Publication

EP 0454110 A1 19911030 (DE)

Application

EP 91106665 A 19910425

Priority

DE 4013243 A 19900426

Abstract (en)

The brake fluid described consists essentially of A) at least one glycol compound as the main component, B) at least one inhibitor for fluids based on glycol compounds and C) an effective quantity of a mixture of acidic phosphate esters which essentially consists of monophosphate esters and diphosphate esters and has been obtained by reacting a phosphorus-containing compound with a monohydric alcohol and a polyol. The novel brake fluid shows high corrosion inhibition, in particular towards the metal tin.

Abstract (de)

Die beschriebene Bremsflüssigkeit besteht im wesentlichen aus A) mindestens einer Glykolverbindung als Hauptkomponente, B) mindestens einem Inhibitor für Flüssigkeiten auf der Basis von Glykolverbindungen und C) einer wirksamen Menge von einem Gemisch saurer Phosphorsäureester, das im wesentlichen aus Monophosphorsäureestern und Diphosphorsäureestern besteht und erhalten worden ist durch Umsetzung von einer Phosphor enthaltenden Verbindung mit einem einwertigen Alkohol und einem Polyol. Die neue Bremsflüssigkeit weist eine hohe Korrosionsinhibierung auf, insbesondere gegenüber dem Metall Zinn.

IPC 1-7

C10M 169/04; C10N 30/12; C10N 40/08

IPC 8 full level

C09K 3/14 (2006.01); **C10M 169/04** (2006.01); **C10N 30/12** (2006.01); **C10N 40/08** (2006.01)

CPC (source: EP)

C10M 105/14 (2013.01); **C10M 105/78** (2013.01); **C10M 107/34** (2013.01); **C10M 107/52** (2013.01); **C10M 125/00** (2013.01); **C10M 125/10** (2013.01); **C10M 125/24** (2013.01); **C10M 129/10** (2013.01); **C10M 129/14** (2013.01); **C10M 129/28** (2013.01); **C10M 133/06** (2013.01); **C10M 133/08** (2013.01); **C10M 133/12** (2013.01); **C10M 133/40** (2013.01); **C10M 133/44** (2013.01); **C10M 133/46** (2013.01); **C10M 159/123** (2013.01); **C10M 169/04** (2013.01); **C10M 169/045** (2013.01); **C10M 2201/00** (2013.01); **C10M 2201/06** (2013.01); **C10M 2201/062** (2013.01); **C10M 2201/08** (2013.01); **C10M 2201/081** (2013.01); **C10M 2201/082** (2013.01); **C10M 2201/084** (2013.01); **C10M 2201/085** (2013.01); **C10M 2201/18** (2013.01); **C10M 2207/0225** (2013.01); **C10M 2207/023** (2013.01); **C10M 2207/024** (2013.01); **C10M 2207/026** (2013.01); **C10M 2207/027** (2013.01); **C10M 2207/12** (2013.01); **C10M 2207/121** (2013.01); **C10M 2207/122** (2013.01); **C10M 2207/123** (2013.01); **C10M 2207/125** (2013.01); **C10M 2207/129** (2013.01); **C10M 2207/22** (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 2209/1085** (2013.01); **C10M 2209/1095** (2013.01); **C10M 2215/04** (2013.01); **C10M 2215/042** (2013.01); **C10M 2215/044** (2013.01); **C10M 2215/06** (2013.01); **C10M 2215/064** (2013.01); **C10M 2215/065** (2013.01); **C10M 2215/066** (2013.01); **C10M 2215/067** (2013.01); **C10M 2215/068** (2013.01); **C10M 2215/22** (2013.01); **C10M 2215/221** (2013.01); **C10M 2215/223** (2013.01); **C10M 2215/224** (2013.01); **C10M 2215/225** (2013.01); **C10M 2215/226** (2013.01); **C10M 2215/26** (2013.01); **C10M 2215/30** (2013.01); **C10M 2223/04** (2013.01); **C10M 2223/042** (2013.01); **C10M 2223/12** (2013.01); **C10M 2223/121** (2013.01); **C10M 2227/061** (2013.01); **C10M 2227/0615** (2013.01); **C10M 2227/062** (2013.01); **C10M 2227/0625** (2013.01); **C10M 2229/003** (2013.01); **C10N 2010/02** (2013.01); **C10N 2040/08** (2013.01)

Citation (search report)

- [AD] EP 0028674 A1 19810520 - HOECHST AG [DE]
- [A] GB 1230781 A 19710505
- [A] DE 2926269 A1 19810115 - HOECHST AG
- [A] EP 0028789 A1 19810520 - HOECHST AG [DE]
- [A] FR 2101027 A1 19720331 - NAPHTACHIMIE SA
- [A] EP 0002530 A1 19790627 - BASF AG [DE]

Cited by

US5773392A; CN1312261C; CZ299651B6; KR100861969B1; WO2010053639A1; WO9617914A1; WO02081604A1

Designated contracting state (EPC)

BE DE DK ES FR GB GR IT LU NL

DOCDB simple family (publication)

EP 0454110 A1 19911030; EP 0454110 B1 19930519; DE 4013243 A1 19911031; DE 59100117 D1 19930624; DK 0454110 T3 19931122; ES 2058980 T3 19941101; IE 65470 B1 19951101; IE 911388 A1 19911106; JP 2925038 B2 19990726; JP H04227690 A 19920817; PT 97459 A 19920131; PT 97459 B 19980831

DOCDB simple family (application)

EP 91106665 A 19910425; DE 4013243 A 19900426; DE 59100117 T 19910425; DK 91106665 T 19910425; ES 91106665 T 19910425; IE 138891 A 19910425; JP 9427091 A 19910424; PT 9745991 A 19910424