

## Title (en)

Brake fluids having a conserving activity and an amount of oleic acid.

## Title (de)

Bremsflüssigkeiten mit konservierender Wirkung mit einem Gehalt an Ölsäure.

## Title (fr)

Fluides de freinage à action conservatrice ayant une teneur en acide oléique.

## Publication

**EP 0011730 A1 19800611 (DE)**

## Application

**EP 79104326 A 19791106**

## Priority

DE 2851057 A 19781125

## Abstract (en)

1. Brake fluids based on polyglycol ethers and polyglycols and containing fatty acids, characterized in that they contain A) 10 to 40% by weight, based on the brake fluid, of polyalkylene glycols, in the form of uniform compounds or mixtures of compounds, of the formula I HO [R-O]<sub>n</sub> H where R is a 1,2-ethylene and/or 1,2 propylene radical, the number of propylene radicals, based on the individual compound of the mixture, predominating, and n being a number of 10 or more, and the average molecular weight being 500 to 3000, B) 0.1 to 3% by weight of a fatty acid known to be a corrosion inhibitor, and, to make up 100%, the following constituents C) polyglycol ethers of the formula see diagramm : EP0011730,P6,F1 where R\*\*1 is methyl or ethyl, R\*\*2 is hydrogen or methyl, and n is a number from 2 to 4, D) if desired, polyglycols of ethylene oxide and/or propylene oxide having a molecular weight in the molecular weight range of lubricants usually used in brake fluids, and/or E) if desired, 20 to 50% by weight of boric acid esters of glycol ethers of the formula II, and F) small amounts of conventional antioxidants and inhibitors.

## Abstract (de)

Bremsflüssigkeiten auf der Grundlage von Polyglykoläthern als Basiskomponenten, Polyglykolen als Schmiermittelkomponenten, Inhibitoren und Antioxydationsmittel mit einem Gehalt von A) 10 bis 40 Gew.%, bezogen auf die Bremsflüssigkeit von Polyalkylenglykolen in Form von einheitlichen Verbindungen oder Gemischen von Verbindungen der Formel I HO[R - O]<sub>n</sub> - H , in der R einen 1,2-Äthylen- und/oder 1,2-Propylenrest, wobei, bezogen auf die einzelne Verbindung oder das Gemisch, die Zahl der Propylenreste überwiegt und n eine Zahl von 10 oder mehr bedeutet, und wobei das durchschnittliche Molekulargewicht 500 bis 3 000 beträgt, und B) 0,1 bis 3 Gew.% einer an sich als Korrosionsinhibitor bekannten Fettsäure.

## IPC 1-7

**C10M 3/14**

## IPC 8 full level

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- DE 2305918 A1 19730816 - SHELL INT RESEARCH
- US 2434978 A 19480127 - ZISMAN WILLIAM A, et al
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- FR 2171229 A1 19730921 - SHELL INT RESEARCH [NL]

## Cited by

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