

Title (en)

Methylpolysiloxane hydraulic fluids.

Title (de)

Methylpolysiloxan-Hydraulikflüssigkeiten.

Title (fr)

Fluides hydrauliques à base de méthylpolysiloxane.

Publication

**EP 0102088 A2 19840307 (EN)**

Application

**EP 83108576 A 19830831**

Priority

JP 15154782 A 19820831

Abstract (en)

A methylpolysiloxane oil containing  $\text{CH}_3\text{SiO}_{3/2}$ ,  $(\text{CH}_3)_2\text{SiO}$ , and/or  $(\text{CH}_3)_3\text{SiO}_{1/2}$  units and having a specific gravity of 1.02 or greater has been found useful as an hydraulic fluid. The specific gravity of the hydraulic fluid allows for any water introduced into the system to collect as an upper layer above the hydraulic fluid where it can be removed easily. A particularly preferred methylpolysiloxane hydraulic fluid contains 0 to 10 mol percent  $(\text{CH}_3)_3\text{SiO}_{1/2}$  units, 45-80 mol percent  $(\text{CH}_3)_2\text{SiO}$  units, and 20-45  $\text{CH}_3\text{SiO}_{3/2}$  units with a 1.65 to 1.80  $\text{CH}_2/\text{Si}$  ratio.

IPC 1-7

**C10M 3/44**

IPC 8 full level

**C10M 105/76** (2006.01); **C10M 107/50** (2006.01); **C10N 40/08** (2006.01)

CPC (source: EP)

**C10M 107/50** (2013.01); **C10M 2229/041** (2013.01); **C10N 2020/01** (2020.05); **C10N 2040/08** (2013.01)

Cited by

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