

Title (en)

Silicone fluids for viscous couplings.

Title (de)

Silikonflüssigkeiten für Visco-Kupplungen.

Title (fr)

Fluides de silicone pour accouplements visqueux.

Publication

EP 0397507 A1 19901114 (EN)

Application

EP 90305069 A 19900510

Priority

- JP 2870090 A 19900207
- JP 3099090 A 19900209
- JP 3336890 A 19900213
- JP 11626589 A 19890510
- JP 31270089 A 19891130

Abstract (en)

An organopolysiloxane, containing a C1-18, optionally halogenated, hydrocarbon group, is used as the fluid in a viscous coupling, with as additive: a) a phosphorus type anti-wear agent (27 formulae are given), e.g. a triaryl phosphate, optionally also with a sulfur or zinc dithiophosphate agent, each in amount of 0.01 - 5 wt %; or b) a metal deactivator, e.g. benzotriazole or other heterocyclic compound or an organic acid, and/or a corrosion inhibitor, e.g. a stearate, each in amount of 0.001 to 1 wt %. An antioxidant may also be added, e.g. an amine, in amount of 0.001 to 5 wt %. The fluids are exemplified as used in a coupling having 111 metal discs, with 25 to 50 rpm difference in speeds of rotation, at 130 DEG C for up to 100 hours; they have improved heat-resistance, and so suffer little change in viscosity or torque in use.

IPC 1-7

C10M 169/04; C10N 40/04

IPC 8 full level

C10M 169/04 (2006.01)

CPC (source: EP)

C10M 107/50 (2013.01); **C10M 133/04** (2013.01); **C10M 133/12** (2013.01); **C10M 135/28** (2013.01); **C10M 135/36** (2013.01); **C10M 137/00** (2013.01); **C10M 169/04** (2013.01); **C10M 2207/123** (2013.01); **C10M 2207/125** (2013.01); **C10M 2207/129** (2013.01); **C10M 2207/16** (2013.01); **C10M 2207/22** (2013.01); **C10M 2207/281** (2013.01); **C10M 2207/282** (2013.01); **C10M 2207/283** (2013.01); **C10M 2207/286** (2013.01); **C10M 2207/289** (2013.01); **C10M 2215/02** (2013.01); **C10M 2215/04** (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 2215/225** (2013.01); **C10M 2215/226** (2013.01); **C10M 2215/26** (2013.01); **C10M 2215/30** (2013.01); **C10M 2219/02** (2013.01); **C10M 2219/022** (2013.01); **C10M 2219/024** (2013.01); **C10M 2219/062** (2013.01); **C10M 2219/066** (2013.01); **C10M 2219/086** (2013.01); **C10M 2219/10** (2013.01); **C10M 2219/102** (2013.01); **C10M 2219/104** (2013.01); **C10M 2219/106** (2013.01); **C10M 2219/108** (2013.01); **C10M 2223/00** (2013.01); **C10M 2223/04** (2013.01); **C10M 2223/041** (2013.01); **C10M 2223/042** (2013.01); **C10M 2223/045** (2013.01); **C10M 2223/047** (2013.01); **C10M 2223/065** (2013.01); **C10M 2229/025** (2013.01); **C10M 2229/0405** (2013.01); **C10M 2229/041** (2013.01); **C10M 2229/0415** (2013.01); **C10M 2229/042** (2013.01); **C10M 2229/0425** (2013.01); **C10M 2229/0435** (2013.01); **C10M 2229/0445** (2013.01); **C10M 2229/0455** (2013.01); **C10M 2229/0465** (2013.01); **C10M 2229/0475** (2013.01); **C10M 2229/0485** (2013.01); **C10M 2229/0505** (2013.01); **C10M 2229/051** (2013.01); **C10M 2229/0515** (2013.01); **C10M 2229/0525** (2013.01); **C10M 2229/0535** (2013.01); **C10M 2229/0545** (2013.01); **C10N 2010/00** (2013.01); **C10N 2010/04** (2013.01); **C10N 2020/01** (2020.05); **C10N 2040/08** (2013.01)

Citation (search report)

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Designated contracting state (EPC)

DE FR GB

DOCDB simple family (publication)

EP 0397507 A1 19901114; EP 0397507 B1 19950315; DE 69017749 D1 19950420; DE 69017749 T2 19950706

DOCDB simple family (application)

EP 90305069 A 19900510; DE 69017749 T 19900510