

Title (en)

Fluorinated greases having a low torque at low temperatures

Title (de)

Fluorierte Schmierfettzusammensetzungen mit niedrigem Drehmoment bei tiefen Temperaturen

Title (fr)

Graisses fluorées ayant un bas moment de torsion à basses températures

Publication

EP 1731593 A3 20070829 (EN)

Application

EP 06010616 A 20060523

Priority

IT MI20051080 A 20050610

Abstract (en)

[origin: EP1731593A2] Fluorinated greases comprising: (A) from 1% to 50% by weight of a thickener; (B) from 99% to 50% by weight of a mixture of: (B1) from 0,1 to 100% by weight of a compound of structure: $\text{X}_1\text{-O}(\text{CF}_2)_n(\text{CF}_2)_m(\text{CF}_2)_p(\text{CF}_2)_q\text{-X}_2$ wherein: X_1 , X_2 have formula $-(\text{CF}_2)_z\text{CF}_3$ wherein z is an integer between 0 and 3; n is an integer between 1 and 200; m is an integer between 0 and 200; p , q are integers between 0 and 10; with the proviso that: the $(p+q)/(p+q+m+n) \neq 0.05$; $m/n \neq 0.7$; the number average molecular weight of (I) is between 1,000 and 10,000; the kinematic viscosity at 40°C is lower than 20 cSt; and (B2) from 99.9% to 0% by weight of a perfluoropolyether oil having a kinematic viscosity at 40°C higher than 15 cSt and comprising repeating units of the type (CFXO) wherein X is F or CF_3 ; $-\text{CF}_2\text{CF}_2\text{O}$ -, $-\text{C}_3\text{F}_6\text{O}$ -, $-\text{CF}(\text{CF}_3)\text{CF}_2\text{O}$ -, $-\text{CF}_2\text{CF}(\text{CF}_3)\text{O}$ -, statistically distributed along the chain.

IPC 8 full level

C10M 107/38 (2006.01); **C10M 169/02** (2006.01)

CPC (source: EP US)

C10M 107/38 (2013.01 - EP US); **C10M 169/02** (2013.01 - EP US); **C10M 2201/041** (2013.01 - EP US); **C10M 2201/061** (2013.01 - EP US); **C10M 2201/062** (2013.01 - EP US); **C10M 2201/1026** (2013.01 - EP US); **C10M 2201/1056** (2013.01 - EP US); **C10M 2207/10** (2013.01 - EP US); **C10M 2207/123** (2013.01 - EP US); **C10M 2213/04** (2013.01 - EP US); **C10M 2213/043** (2013.01 - EP US); **C10M 2213/0626** (2013.01 - EP US); **C10M 2217/00** (2013.01 - EP US); **C10M 2217/04** (2013.01 - EP US); **C10M 2217/06** (2013.01 - EP US); **C10M 2219/08** (2013.01 - EP US); **C10M 2223/08** (2013.01 - EP US); **C10M 2227/06** (2013.01 - EP US); **C10M 2227/066** (2013.01 - EP US); **C10N 2010/12** (2013.01 - EP US); **C10N 2020/04** (2013.01 - EP US); **C10N 2020/06** (2013.01 - EP US); **C10N 2030/04** (2013.01 - EP US); **C10N 2030/06** (2013.01 - EP US); **C10N 2030/10** (2013.01 - EP US); **C10N 2030/12** (2013.01 - EP US); **C10N 2040/06** (2013.01 - EP US); **C10N 2040/30** (2013.01 - EP US)

Citation (search report)

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- [X] EP 1520906 A1 20050406 - SOLVAY SOLEXIS SPA [IT]
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Designated contracting state (EPC)

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Designated extension state (EPC)

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