

Title (en)

Fluorinated greases having a low torque at low temperatures

Title (de)

Fluorierte Schmierfettszusammensetzungen mit niedrigem Drehmoment bei tiefen Temperaturen

Title (fr)

Graisses fluorées ayant un bas moment de torsion à basses températures

Publication

EP 1731593 A2 20061213 (EN)

Application

EP 06010616 A 20060523

Priority

IT MI20051080 A 20050610

Abstract (en)

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: ##### X 1 -O (CF₂O)_n (CF₂CF₂O)_m (CF₂'CF₂CF₂O)_p (CF₂CF₂CF₂CF₂O)_q - X 2 #####(I) wherein: X 1 , X 2 have formula -(CF₂)_zCF₃ 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) #0.05; m/n #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 CF₃ ; -CF₂CF₂O-, -C₃F₆O, -CF(CF₃)CF₂O-, -CF₂CF(CF₃)O-, statistically distributed along the chain.

IPC 8 full level

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CPC (source: EP US)

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Cited by

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