

Title (en)  
SILOXANE-POLYALPHAOLEFIN HYDRAULIC FLUID

Publication  
**EP 0283922 B1 19910123 (EN)**

Application  
**EP 88104211 A 19880317**

Priority  
US 2895087 A 19870323

Abstract (en)  
[origin: EP0283922A2] There is provided a homogeneous blend of a dimethylsiloxane/ alkylmethylsiloxane copolymer with a hydrogenated polyalphaolefin based on oligomers of decene-1. The blend serves as a base fluid which has a viscosity-temperature profile and flash point suitable for use in a -54 DEG C. to 135 DEG C. fire-resistant hydraulic fluid having particular utility in military aircraft hydraulic systems.

IPC 1-7  
**C10M 111/04**; **C10N 40/08**; **C10N 60/02**

IPC 8 full level  
**C10M 169/04** (2006.01); **C08K 5/01** (2006.01); **C08L 83/04** (2006.01); **C10M 111/04** (2006.01); **C10N 20/00** (2006.01); **C10N 20/02** (2006.01); **C10N 40/08** (2006.01)

CPC (source: EP)  
**C10M 107/18** (2013.01); **C10M 107/50** (2013.01); **C10M 111/04** (2013.01); **C10M 2205/028** (2013.01); **C10M 2205/123** (2013.01); **C10M 2207/023** (2013.01); **C10M 2211/044** (2013.01); **C10M 2215/064** (2013.01); **C10M 2219/068** (2013.01); **C10M 2223/04** (2013.01); **C10M 2223/041** (2013.01); **C10M 2223/042** (2013.01); **C10M 2229/025** (2013.01); **C10M 2229/0405** (2013.01); **C10M 2229/041** (2013.01); **C10M 2229/0415** (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 2229/0515** (2013.01); **C10M 2229/0525** (2013.01); **C10M 2229/0535** (2013.01); **C10M 2229/0545** (2013.01); **C10N 2010/10** (2013.01); **C10N 2020/01** (2020.05); **C10N 2040/08** (2013.01)

Cited by  
US10377960B2; WO2015181358A1; FR3037968A1; DE4204200A1; GB2506975A; FR3037949A1; CN107922866A; FR3021664A1; CN106414680A; US2017226441A1; FR3037969A1; CN107849474A; WO2017001487A1; WO2017001458A1; WO2017001442A1; WO2018236591A1

Designated contracting state (EPC)  
DE FR GB

DOCDB simple family (publication)  
**EP 0283922 A2 19880928**; **EP 0283922 A3 19881026**; **EP 0283922 B1 19910123**; AU 1337588 A 19880922; AU 597804 B2 19900607; BR 8801276 A 19881025; CA 1334966 C 19950328; DE 3861601 D1 19910228; JP H0563509 B2 19930910; JP S63254161 A 19881020

DOCDB simple family (application)  
**EP 88104211 A 19880317**; AU 1337588 A 19880322; BR 8801276 A 19880322; CA 557861 A 19880201; DE 3861601 T 19880317; JP 6593488 A 19880322