

Publication

EP 0912981 A4 19990526

Application

EP 97932163 A 19970611

Priority

- US 9710045 W 19970611
- US 66572196 A 19960618

Abstract (en)

[origin: WO9749100A1] High oleic acid triglyceride compositions that comprise fatty acid components of at least 75 % oleic acid, less than 10 % diunsaturated fatty acid component; less than 3 % triunsaturated fatty acid component; and less than 8 % saturated fatty acid component; and having the properties of a dielectric strength of at least 35 KV/100 mil gap, a dissipation factor of less than 0.05 % at 25 DEG C, acidity of less than 0.03 mg KOH/g, electrical conductivity of less than 1 pS/m at 25 DEG C, a flash point of at least 250 DEG C and a pour point of at least -15 DEG C are disclosed. An electrical insulation fluid comprising the triglyceride composition is disclosed. Electrical apparatuses comprising the electrical insulation fluid and the use of electrical insulation fluid to provide insulation in electrical apparatuses are disclosed. A process for preparing the high oleic acid triglyceride composition is disclosed.

IPC 1-7

H01B 3/20

IPC 8 full level

C11C 3/00 (2006.01); **H01B 3/20** (2006.01)

CPC (source: EP)

H01B 3/20 (2013.01)

Citation (search report)

- [E] WO 9722977 A1 19970626 - COOPER IND INC [US], et al
- [X] EP 0512734 A1 19921111 - ABB CAPACITORS LTD [GB]
- [X] N SHIGEYOSHI ET ALL: "Electric insulating oil", CHEMICAL ABSTRACTS + INDEXES, vol. 20, no. 105, 17 November 1986 (1986-11-17), pages 190, XP002097870
- [X] N SHIGEYOSHI ET ALL: "Electric insulating oils", CHEMICAL ABSTRACTS + INDEXES, vol. 22, no. 105, 1 December 1986 (1986-12-01), pages 195, XP002097871
- [X] N SHIGEYOSHI: "Oil insulators for electric apparatus", CHEMICAL ABSTRACTS + INDEXES, vol. 14, no. 106, 6 April 1987 (1987-04-06), pages 683, XP002097872
- [X] N SHIGEYOSHI ET ALL: "Oil containing alkyl methacrylate polymers for electrical equipment", CHEMICAL ABSTRACTS + INDEXES, vol. 2, no. 109, 11 July 1988 (1988-07-11), pages 631, XP002097873
- [X] DATABASE WPI Section Ch Week 8615, Derwent World Patents Index; Class A85, AN 86-097634, XP002097874
- See references of WO 9749100A1

Cited by

EP1072780A2

Designated contracting state (EPC)

AT BE CH DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE

DOCDB simple family (publication)

WO 9749100 A1 19971224; AT E255269 T1 20031215; AU 3569297 A 19980107; AU 721761 B2 20000713; CA 2258248 A1 19971224; CA 2258248 C 20040406; DE 69726427 D1 20040108; DE 69726427 T2 20040909; EP 0912981 A1 19990506; EP 0912981 A4 19990526; EP 0912981 B1 20031126; ES 2212117 T3 20040716; JP 2000513038 A 20001003; PT 912981 E 20040430

DOCDB simple family (application)

US 9710045 W 19970611; AT 97932163 T 19970611; AU 3569297 A 19970611; CA 2258248 A 19970611; DE 69726427 T 19970611; EP 97932163 A 19970611; ES 97932163 T 19970611; JP 50310498 A 19970611; PT 97932163 T 19970611