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(21) International Application Number: PCT/US99/17794 (22) International Filing Date: 6 August 1999 (06.08.99) (30) Priority Data: 09/138,235 21 August 1998 (21.08.98) US (71) Applicant: ABB POWER T & D COMPANY INC. [US/US]; 1021 Main Campus Drive, Raleigh, NC 27606 (US). (72) Inventors: OOMMEN, Thottathl, V.; 4804 Kaplan, Raleigh, NC 27606 (US). CLAIBORNE, C., Clair; 925 Hall Avenue, Sharon, PA 16146 (US). (74) Agents: NORRIS, Norman, L. et al.; Woodcock Washburn Kurtz Mackiewicz & Norris LLP, 46th Floor, One Liberty Place, Philadelphia, PA 19103 (US).		(81) Designated States: AU, CA, JP, MX, SG, VN, European patent (AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE). Published <i>With international search report.</i>
(54) Title: HIGH OLEIC ACID OIL COMPOSITIONS AND ELECTRICAL DEVICES CONTAINING THE SAME (57) Abstract 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 °C, acidity of less than 0.03 mg KOH/g, electrical conductivity of less than 1 pS/m at 25 °C, a flash point of at least 250 °C and a pour point of at least -15 °C are disclosed. Electrical insulation fluids comprising the triglyceride composition are disclosed. Electrical insulation fluids that comprise the triglyceride composition and a combination of additives are disclosed. Electrical apparatuses comprising the electrical insulation fluids and the use of electrical insulation fluids to provide insulation in electrical apparatuses are disclosed. A process for preparing the high oleic acid triglyceride composition is disclosed.		