

Title (en)
ELECTRICAL INSULATING FLUID

Title (de)
Elektrisch isolierende Flüssigkeit

Title (fr)
FLUIDE D'ISOLATION ELECTRIQUE

Publication
EP 1141167 A4 20020626 (EN)

Application
EP 99965203 A 19991210

Priority

- GB 9827207 A 19981211
- US 9929265 W 19991210

Abstract (en)
[origin: WO0034409A1] This invention relates to electrical insulating fluids especially for use in transformers and which have excellent low temperature performance. The electrical insulating fluid comprises esters with 17 to 20 carbon atoms formed by the reaction of a saturated monobasic carboxylic acid and a saturated monohydric alcohol. Suitable esters include n-decyl 2-ethyl hexanoate, 2-ethyl hexyl 3,5,5-trimethyl hexanoate, isodecyl 2-ethyl hexanoate, isodecyl isooctanoate, isodecyl 3,5,5-trimethyl hexanoate and n-octyl/n-decyl 2-ethyl hexanoate. In addition to the ester, the electrical insulating fluid may contain as an additive, a stabiliser against oxidation. Suitable additives include an antioxidant such as a hindered phenol and a metal passivator such as a benzotriazole or a derivative thereof.

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Citation (search report)

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- See references of WO 0034409A1

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DE FR GB

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