

Title (en)
POLYOL ESTER FOR TRANSFORMERS

Title (de)
POLYOLESTER FÜR TRANSFORMATOREN

Title (fr)
POLYOLESTER POUR TRANSFORMATEURS

Publication
EP 1749077 A1 20070207 (DE)

Application
EP 05749832 A 20050518

Priority
• EP 2005005375 W 20050518
• DE 102004025939 A 20040527

Abstract (en)
[origin: WO2005118756A1] Disclosed are compositions containing trimethylolpropane ester (TMP)-ester of general formula (I), wherein R1, R2, and R3 identically or differently represent a straight-chain or branched-chain alkyl group comprising 5 to 11 C atoms. The ester has a viscosity of less than 23 mm²/s at 40 DEG C and an ignition point > 300 DEG C. The inventive compositions are used as a dielectric insulating liquid for transformers.

IPC 8 full level
C10M 105/38 (2006.01); **C07C 69/30** (2006.01); **C10M 129/74** (2006.01); **C10M 169/04** (2006.01)

CPC (source: EP US)
C10M 105/38 (2013.01 - EP US); **C10M 169/04** (2013.01 - EP US); **C10M 2207/024** (2013.01 - EP US); **C10M 2207/025** (2013.01 - EP US); **C10M 2207/026** (2013.01 - EP US); **C10M 2207/046** (2013.01 - EP US); **C10M 2207/2835** (2013.01 - EP US); **C10M 2215/064** (2013.01 - EP US); **C10M 2215/065** (2013.01 - EP US); **C10M 2215/223** (2013.01 - EP US); **C10M 2219/086** (2013.01 - EP US); **C10M 2219/106** (2013.01 - EP US); **C10N 2020/01** (2020.05 - EP US); **C10N 2040/16** (2013.01 - EP US)

Citation (search report)
See references of WO 2005118756A1

Designated contracting state (EPC)
BE DE ES GB IT NL

DOCDB simple family (publication)
WO 2005118756 A1 20051215; BR PI0511577 A 20080102; CN 1984980 A 20070620; DE 102004025939 A1 20051222; EP 1749077 A1 20070207; JP 2008500413 A 20080110; US 2008033201 A1 20080207

DOCDB simple family (application)
EP 2005005375 W 20050518; BR PI0511577 A 20050518; CN 200580017052 A 20050518; DE 102004025939 A 20040527; EP 05749832 A 20050518; JP 2007513751 A 20050518; US 56948505 A 20050518