

Title (en)
Power and/or distribution transformer equipped with on-load tap-changer

Title (de)
Leistungs- und/oder Verteilungstransformator mit Lastumschalter

Title (fr)
Transformateur de puissance et/ou distribution avec changeur de prises en charge

Publication
EP 0957496 A3 20000223 (EN)

Application
EP 99201458 A 19990511

Priority
IT MI981021 A 19980511

Abstract (en)
[origin: EP0957496A2] A power and/or distribution transformer comprising: a tank provided with a magnetic core, high- and low-voltage windings, adjustment windings, insulating partitions made of solid material which are interposed between the high- and low-voltage windings and a dielectric and cooling fluid; an on-load tap changer which comprises: at least one selector which is immersed in a lubricating fluid; at least one diverter switch which comprises arc contacts and a dielectric arc-quenching fluid; characterized in that the dielectric and cooling fluid of the transformer and/or the dielectric and arc-quenching fluid and/or the lubricating fluid of the selector are liquid perfluoropolyethers, and in that the tank and the diverter switch are each provided with a filter for reducing chemically reactive gas species generated by the decomposition of the fluids. <IMAGE>

IPC 1-7
H01F 27/10; **H01F 29/04**

IPC 8 full level
H01F 27/02 (2006.01); **H01F 27/12** (2006.01); **H01F 27/14** (2006.01); **H01F 27/40** (2006.01)

CPC (source: EP)
H01F 27/02 (2013.01); **H01F 27/125** (2013.01); **H01F 27/14** (2013.01); **H01F 27/402** (2013.01); **H01F 2027/406** (2013.01);
H01H 2009/0055 (2013.01)

Citation (search report)
• [A] DE 4215029 A1 19921112 - FUJI ELECTRIC CO LTD [JP]
• [A] US 4437082 A 19840313 - WALSH EDWARD J [US], et al
• [A] DE 2554514 A1 19770608 - TRANSFORMATOREN UNION AG

Cited by
DE102013100266A1; EP1113548A1; US7842122B2; EP1113549A1; US2017288572A1; US10069437B2; WO2012107816A1; WO2007003595A1; WO2007149976A3; WO2007009961A1

Designated contracting state (EPC)
AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE

DOCDB simple family (publication)
EP 0957496 A2 19991117; **EP 0957496 A3 20000223**; IT 1299218 B1 20000229; IT MI981021 A1 19991111

DOCDB simple family (application)
EP 99201458 A 19990511; IT MI981021 A 19980511