Title (en)

OIL-FILLED TRANSFORMER

Title (de)

ÖLGEFÜLLTER TRANSFORMATOR

Title (fr)

TRANSFORMATEUR REMPLI D'HUILE

Publication

EP 2963662 A4 20161123 (EN)

Application

EP 13876561 A 20130301

Priority

JP 2013055744 W 20130301

Abstract (en)

[origin: EP2963662A1] The present invention is intended, in view of eliminating the possibility of destroying the insulation of varnished coils, to address the weakening of the mechanical strength in the coil axis direction in time of short circuiting in the manufacturing process of coils without varnishing. The invention relates to an oil-filled transformer mounted with an iron core formed of an amorphous ribbon or a silicon steel sheet and a coil of which both high-voltage and low-voltage windings are formed of flat or round conductor lead wires wound around the iron core, in which a thermosetting resin-impregnated fiber is wound in the coil axis direction around the coil in a tap line wire lead part, and further the thermosetting resin-impregnated fiber is wound in the outermost layer of the coil. As the thermosetting resin-impregnated fiber, a glass binding tape made of epoxy resin is used.

IPC 8 full level

H01F 5/04 (2006.01); **H01F 27/28** (2006.01); **H01F 27/30** (2006.01); **H01F 27/32** (2006.01); **H01F 30/00** (2006.01); **H01F 30/12** (2006.01); **H01F 41/12** (2006.01)

CPC (source: EP)

H01F 27/28 (2013.01); **H01F 27/30** (2013.01); **H01F 27/32** (2013.01); **H01F 30/12** (2013.01)

Citation (search report)

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- [A] US 4095557 A 19780620 - CROOP EDWARD J, et al
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- [A] DE 19756604 A1 19990701 - SIEMENS AG [DE]
- See references of WO 2014132451A1

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CN117393303A

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)

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DOCDB simple family (application)

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