

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
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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
- [A] JP S5485327 A 19790706 - FUJI ELECTRIC CO LTD
- [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

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EP 13876561 A 20130301; CN 201380073732 A 20130301; JP 2013055744 W 20130301; JP 2015502699 A 20130301