

Title (en)

Dry transformer with heat pipe inside the high voltage winding

Title (de)

Trockenwandler mit Hitzerohr in der Hochspannungswickelung

Title (fr)

Transformateur sec doté d'un caloduc à l'intérieur d'un bobinage haute tension

Publication

**EP 2463870 A1 20120613 (EN)**

Application

**EP 10194530 A 20101210**

Priority

EP 10194530 A 20101210

Abstract (en)

The present invention relates to a method of manufacturing a dry type transformer (1000). In particular a method of manufacturing a dry type transformer (1000) with a heat pipe evaporator (101) is provided with the steps of providing (801) a hollow cylindrical heat pipe evaporator (101), winding (802) at least one high voltage coil (112, 120) onto the heat pipe evaporator (101) around a longitudinal axis (110) of the heat pipe evaporator (101), and placing (803) an at least one low voltage coil (113) such that the heat pipe evaporator (101) is positioned between the at least one high voltage coil (112, 120) and the at least one low voltage coil (113). The heat pipe evaporator (101) is adapted to remove heat from the at least one high voltage coil (112, 120) and from the at least one low voltage coil (113), and is adapted to dielectrically insulate the at least one high voltage coil (112, 120) from the at least one low voltage coil (113).

IPC 8 full level

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CPC (source: EP)

**H01F 27/18** (2013.01); **H01F 27/2876** (2013.01); **H01F 27/327** (2013.01)

Citation (applicant)

DE 60209574 T2 20060824 - ABB TECHNOLOGY AG [CH]

Citation (search report)

- [X] WO 2010139597 A1 20101209 - ABB TECHNOLOGY AG [CH], et al
- [A] US 6368530 B1 20020409 - ADUBATO JOHN D [US], et al
- [A] DE 1488347 A1 19690717 - ALSTHOM CGEE

Cited by

CN109539751A; US10012417B2; US10458683B2; US11139109B2; WO2014120429A3; WO2020051077A1; EP2479764B1

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Designated extension state (EPC)

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