

Title (en)

Method of constructing a vacuum tight and oil-tight seal for a transformer structure, and seal made in this way.

Title (de)

Verfahren zur Herstellung eines vakuumfesten, öldichten Abschlusses für den Transformatorbau sowie nach diesem Verfahren hergestellter Abschluss.

Title (fr)

Procédé de fabrication d'une fermeture étanche au gaz et à l'huile pour une construction de transformateur, et fermeture ainsi réalisée.

Publication

EP 0167641 A1 19860115 (DE)

Application

EP 84107720 A 19840703

Priority

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Abstract (en)

1. Method of producing a vacuum-sealed and oil-tight closure for transformer construction, in which a shield electrode (9) is provided with an insulating retaining element (10) which is produced using transformer board, characterised by the following steps : a) at least in the main part of its length the shield electrode (9) is shaped around with a first layer of insulating material (11) made from transformer board ; b) then a second layer of insulating material (12) which corresponds to the desired shape of the retaining element (10) and is made from transformer board is applied so that it partially overlaps the first layer of insulating material (11) ; c) after vacuum drying the two layers of insulating material (11, 12) made from transformer board are impregnated in a vacuum with an oil-resistant resin of low or medium viscosity which hardens at low temperature ; d) after the resin has hardened, the film formed by the two layers of impregnated insulating material (11, 12) is provided on each of the free outer faces with at least one further layer of insulating material (14, 15, 16).

Abstract (de)

Die Erfindung betrifft ein Verfahren zur Herstellung eines vakuumfesten, öldichten Abschlusses für den Transformatorbau, gekennzeichnet durch eine Sandwich-Konstruktion aus harzimpregniertem und nichtimpregniertem Transformatorboard.

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H01F 27/04; **H01B 17/28**

IPC 8 full level

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CPC (source: EP)

H01B 17/28 (2013.01); **H01F 27/04** (2013.01)

Citation (search report)

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- [A] CH 387116 A 19650131 - BBC BROWN BOVERI & CIE [CH]
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- [A] US 3348180 A 19671017 - LEONARD MERRILL G, et al
- [A] PATENTS ABSTRACTS OF JAPAN, Band 6, Nr. 215 (E-138)[1093], 28. Oktober 1982; & JP - A - 57 120 317 (KANSAI DENRIYOKU K.K.) 27.07.1982

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