

Title (en)
METHOD FOR PREDICTING AMOUNT OF COPPER SULFATE PRODUCED IN OIL-FILLED ELECTRIC DERIVE, METHOD FOR DIAGNOSING OCCURRENCE OF ABNORMAL EVENT, METHOD FOR PREDICTING INITIAL CONCENTRATION OF DIBENZYL DISULFIDE IN INSULATING OIL, AND METHOD FOR DIAGNOSING POSSIBILITY OF OCCURRENCE OF ABNORMAL EVENT

Title (de)
VERFAHREN ZUR VORHERSAGE DER IN EINER ELEKTRISCHEN ÖLGEFÜLLTEN VORRICHTUNG PRODUZIERTEN KUPFERSULFATMENGE, VERFAHREN ZUR DIAGNOSE DES AUFTRETENS VON ANOMALEN EREIGNISSEN, VERFAHREN ZUR VORHERSAGE DER AUSGANGSKONZENTRATION VON DIBENZYL-DISULFID IN ISOLIERÖL UND VERFAHREN ZUR DIAGNOSE DER MÖGLICHKEIT DES AUFTRETENS VON ANOMALEN EREIGNISSEN

Title (fr)
PROCÉDÉS PERMETTANT DE PRÉDIRE LA QUANTITÉ DE SULFATE DE CUIVRE PRODUIT DANS DISPOSITIF ÉLECTRIQUE À HUILE, DE DIAGNOSTIQUER L'APPARITION D'ÉVÉNEMENT ANORMAL, DE PRÉDIRE LA CONCENTRATION INITIALE EN DISULFURE DE DIBENZYLE DANS L'HUILE ISOLANTE ET DE DIAGNOSTIQUER LA POSSIBILITÉ D'APPARITION D'ÉVÉNEMENT ANORMAL

Publication
EP 2521145 A4 20161012 (EN)

Application
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Priority
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Abstract (en)
[origin: EP2521145A1] Disclosed is a method for predicting the amount of copper sulfide produced in an oil-filled electric device, including the steps of: (1) measuring the concentration(s) of one or more specific product(s) contained in an insulating oil collected from the oil-filled electric device; and (2) predicting the production amount of copper sulfide on the basis of the concentration(s) of the specific product(s). The specific product(s) is/ include at least one compound selected from the group consisting of benzyl alcohol, benzaldehyde, benzoic acid, and dibenzyl sulfoxide.

IPC 8 full level
H01F 27/00 (2006.01); **H01F 41/00** (2006.01)

CPC (source: EP)
H01F 27/23 (2013.01)

Citation (search report)

- [XAI] WO 2009054155 A1 20090430 - MITSUBISHI ELECTRIC CORP [JP], et al
- [A] KAWARAI H ET AL: "Development of Quantitative Evaluation of Copper Sulfide Deposition on Insulating Paper", ELECTRICAL INSULATION AND DIELECTRIC PHENOMENA, 2008. CEIDP 2008. ANNUAL REPORT CONFERENCE ON, IEEE, PISCATAWAY, NJ, USA, 26 October 2008 (2008-10-26), pages 313 - 316, XP031417601, ISBN: 978-1-4244-2548-8
- See references of WO 2011080812A1

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