

Title (en)

Method for improving the fire resistance of a dry-type transformer winding.

Title (de)

Verfahren zum Verbessern der Feuerbeständigkeit der Wicklung eines elektrischen Trockentransformators.

Title (fr)

Procédé d'amélioration de la tenue au feu d'un bobinage de transformateur électrique sec.

Publication

**EP 0338476 A1 19891025 (FR)**

Application

**EP 89106829 A 19890417**

Priority

FR 8805157 A 19880419

Abstract (en)

The method improves the fire resistance of a dry-type transformer winding impregnated with resin. The said winding is surrounded over its inner and outer surfaces by a material based on fibre-glass which has been previously preimpregnated with a resin of the same type as the impregnation resin and loaded with a high concentration of incombustible substances.

IPC 1-7

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IPC 8 full level

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Citation (search report)

- [Y] DE 2530388 B1 19761216 - ELSIC ELEK SCHE SICHERHEITSAUS
- [Y] FR 1098178 A 19550719 - G AB
- [A] FR 2285693 A1 19760416 - MATSUSHITA ELECTRIC IND CO LTD [JP]
- [A] GB 766905 A 19570130 - REYROLLE A & CO LTD, et al
- [A] GB 1141706 A 19690129 - ATOMIC ENERGY COMMISSION
- [A] EP 0132936 A1 19850213 - MINNESOTA MINING & MFG [US]
- [A] DE 2844693 A1 19790426 - FLAMEMASTER CORP
- [A] GB 1602970 A 19811118 - ENGLISH ELECTRIC CO LTD
- [A] US 3263196 A 19660726 - HUBERT REBER
- [A] PATENT ABSTRACTS OF JAPAN vol. 10, no. 20 (E-376)(2077) 25 janvier 1986, & JP-A-60 180 108 (SANYUREJIN K.K.) 13 septembre 1985
- [A] PATENT ABSTRACTS OF JAPAN vol. 6, no. 140 (E-121)(1018) 29 juillet 1982, & JP-A-57 063 816 (HITACHI SEISAKUSHO K.K.) 17 avril 1982,

Cited by

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