

Title (en)

Method of controlling and diagnosing the operation of a high voltage electrical apparatus

Title (de)

Verfahren zur Betriebskontrolle und zur Diagnose einer Hochspannungsschaltanlage

Title (fr)

Méthode de contrôle et diagnostic du fonctionnement d'un appareillage électrique à haute tension

Publication

EP 0883145 A1 19981209 (FR)

Application

EP 98401154 A 19980514

Priority

FR 9706880 A 19970604

Abstract (en)

The method involves comparing a pressure signal received from a detector (21) with a standard reference signal. The detector is outside a circuit breaking chamber (5) but in communication with the pressurised, dielectric gas within the chamber. The pressure signal is recorded during the movement of one of the contacts (9) to represent the temporal evolution of pressure inside the circuit breaking chamber during the opening or closure of the electrically insulated apparatus. The signal is recorded with the aid of a detector (25) on the outside of the chamber, designed to detect the movement of a rod (11) linked to the moving contact (9).

IPC 1-7

H01H 11/00

IPC 8 full level

H01H 11/00 (2006.01)

CPC (source: EP US)

H01H 11/0062 (2013.01 - EP US)

Citation (search report)

- [XA] WO 9323760 A1 19931125 - SQUARE D CO [US]
- [A] WO 9636982 A1 19961121 - COOPER IND INC [US], et al
- [A] WO 9528025 A1 19951019 - ABB POWER T & D CO [US]
- [A] JEANJEAN R ET AL: "ELECTRONIC SYSTEM FOR CONTROLLING AND MONITORING THE MECHANICAL AND ELECTRICAL INTEGRITY OF HV CIRCUIT-BREAKERS", 28 August 1988, ULSI SCIENCE AND TECHNOLOGY 1987, PHILADELPHIA, MAY 11 - 15, 1987, NR. SYMP. 1, PAGE(S) 1 - 6, BROYDO S; OSBURN C M (EDS), XP000093019

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CN102721919A

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AT CH DE ES GB IT LI SE

DOCDB simple family (publication)

EP 0883145 A1 19981209; EP 0883145 B1 20040317; AT E262215 T1 20040415; CA 2238903 A1 19981204; CN 1159596 C 20040728; CN 1201150 A 19981209; DE 69822365 D1 20040422; DE 69822365 T2 20050217; ES 2216254 T3 20041016; FR 2764431 A1 19981211; FR 2764431 B1 19990709; ID 20418 A 19981210; US 6023404 A 20000208

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