Title (en)

PROCESS FOR DETECTING MECHANICAL PARAMETERS OF AN ELECTRIC SWITCHING DEVICE.

Title (de)

VERFAHREN ZUR ERMITTLUNG MECHANISCHER PARAMETER EINES ELEKTRISCHEN SCHALTGERÄTES.

Title (fr)

PROCEDE POUR DETECTER DES PARAMETRES MECANIQUES D'UN APPAREIL DE COMMUTATION ELECTRIQUE.

Publication

EP 0604470 B1 19950628 (DE)

Application

EP 92918254 A 19920826

Priority

- DE 4131828 A 19910920
- DE 9200687 W 19920826

Abstract (en)

[origin: WO9306612A1] The description relates to a process for detecting mechanical parameters of an electric switching device exposed to environmental effects. To this end there is a measuring transmitter which detects the speed of a component (7) of the drive device (5) of the switching device (Sp) at at least two successive moments (t1, t2). In vacuum power switches, the moment when the switching members contact and the moment at which the transition to the switched-on condition occurs are considered. If measurements from comparative measurements of a certain number of switches are available, it is possible to discover from a measurement of a test-piece in normal environmental conditions up to which intensity (I1, I2 ... In) of a given environmental effect (E1, E2 ... En) the test piece is reliable.

IPC 1-7

H01H 11/00

IPC 8 full level

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CPC (source: EP US)

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Citation (examination)

CIGRE, 1988 Session, 28.08.-3.09. 13-11 'Electronic system for controlling and monitoring the mechanical and electrical integrity of HV circuit-breakers' by R. Jeanjean, M. Landry, A. Chenier and D. Demissy

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