

Title (en)

METHOD FOR OPERATING AN ELECTRONIC OVERCURRENT TRIP OF A POWER CIRCUIT BREAKER

Title (de)

VERFAHREN ZUM BETRIEB EINES ELEKTRONISCHEN ÜBERSTROMAUSLÖSERS EINES LEISTUNGSSCHALTERS

Title (fr)

PROCEDE D'EXPLOITATION D'UN DISCONTACTEUR ELECTRONIQUE DE SECTIONNEUR DE PUISSANCE

Publication

**EP 1186083 A1 20020313 (DE)**

Application

**EP 00951197 A 20000531**

Priority

- DE 0001803 W 20000531
- DE 19927029 A 19990604

Abstract (en)

[origin: WO0076046A1] In power circuit breakers which comprise a current transformer (6) having an ironless current detection coil (7) and an integration circuit (8) connected in outgoing circuit to said current detection coil (7), a faulty tripping can result due to the unavoidable time constant of the integration circuit (8). This is prevented by the inventive method in which the instantaneous values of the current are detected and stored in established periodic intervals (n, n+1, n+2). The stored measured values are compared according to polarity and magnitude. If the stored values of the same polarity prove to be monotonically decreasing, it is then assumed that an equivalent term is output by the integrator (8), and a trip blocking signal is input into the electronic trip of the power circuit breaker.

IPC 1-7

**H02H 1/04; G01R 15/18**

IPC 8 full level

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CPC (source: EP US)

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