

Title (en)

Discriminating method between an internal arc and an interruption arc in a medium or high voltage circuit breaker

Title (de)

Unterscheidungsverfahren eines internen Fehlerlichtbogens von einem Schaltlichtbogen in einem Mittel oder Hochspannungsschaltgerät

Title (fr)

Méthode de discrimination entre un arc interne et un arc de coupure dans un disjoncteur de moyenne ou de haute tension

Publication

EP 0987727 B1 20070425 (FR)

Application

EP 99402246 A 19990913

Priority

FR 9811477 A 19980915

Abstract (en)

[origin: EP0987727A1] The distinguishing technique between an internal and switching arc measures the dielectric gas pressure inside the circuit breaker, and has a circuit which react to open the circuit breaker. The increase in pressure is measured over a time period (15) and compared to a first value prior to the increase to identify the time at which the internal arc was formed, or to establish that the increase is not an internally formed arc if the pressure does not reach the level.

IPC 8 full level

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CPC (source: EP KR US)

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EP 0987727 A1 20000322; **EP 0987727 B1 20070425**; AT E360878 T1 20070515; CA 2281779 A1 20000315; CA 2281779 C 20040615; CN 1135586 C 20040121; CN 1259752 A 20000712; DE 69935890 D1 20070606; DE 69935890 T2 20080117; FR 2783348 A1 20000317; FR 2783348 B1 20001013; JP 2000090783 A 20000331; JP 4757968 B2 20110824; KR 100639271 B1 20061027; KR 20000023115 A 20000425; MY 130257 A 20070629; SG 83153 A1 20010918; TW 445690 B 20010711; US 6236548 B1 20010522

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