

Title (en)

CUTOFF CHAMBER FOR HIGH-VOLTAGE CIRCUIT BREAKER WITH IMPROVED ARC QUENCHING

Title (de)

BEGRENZUNGSKAMMER FÜR EINEN HOCHSPANNUNGSSCHUTZSCHALTER MIT VERBESSERTER BOGENHÄRTUNG

Title (fr)

CHAMBRE DE COUPURE POUR DISJONCTEUR HAUTE TENSION À SOUFFLAGE D'ARC AMELIORE

Publication

**EP 2332160 B1 20150211 (FR)**

Application

**EP 09818798 A 20090617**

Priority

- EP 2009057536 W 20090617
- FR 0856843 A 20081009

Abstract (en)

[origin: WO2010040574A1] The invention relates to a cutoff chamber for a high-voltage, greater than 52 kV, circuit breaker. According to the invention, a compromise is made between the operating energy to be deployed for all the values of short-circuit current be it symmetric or asymmetric and the effectiveness of the quenching of the arc which occurs on cutoff, by quenching the arc at the root (Z) through a part of the thermal expansion volume (when the cutoff chamber is of auto-pneumatic quenching type) or through the compression volume (when the cutoff chamber is of auto-quenching type) for arcs with a current whose value is greater than a given percentage of the cutoff value of the circuit breaker.

IPC 8 full level

**H01H 33/90** (2006.01)

CPC (source: EP US)

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DOCDB simple family (publication)

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