

Title (en)
HIGH-VOLTAGE CIRCUIT BREAKER WITH AUTOMATIC ARC EXTINCTION

Title (de)
HOCHSPANNUNGSSCHALTER MIT SELBSTBEBLASUNG

Title (fr)
DISJONCTEUR A HAUTE TENSION ET A AUTOSOUFFLAGE DE L'ARC

Publication
EP 0789928 B1 19981209 (FR)

Application
EP 95939308 A 19951031

Priority
• FR 9501434 W 19951031
• JP 26736794 A 19941031

Abstract (en)
[origin: WO9613844A1] A high-voltage insulating gas circuit breaker with an automatic extinction device (9, 10) for extinguishing the arc (17) generated between the stationary arcing contact (2) and the moving arcing contact (7) when power is cut off. A cooling tube (1) downstream from the blow nozzle (5) is provided with a plurality of gas through-holes (19) in the flow path of the hot gas (18) generated by the arc. As the gas flows through the cooling tube (1), the gas pressure differential at the through-holes (19) causes fresh gas (20) to be sucked into the tube (1) and mixes the hot and fresh gases together. The gas (21) discharged from the cooling tube (1) is sufficiently cooled to maintain the dielectric properties of the circuit breaker.

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H01H 33/91

IPC 8 full level
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