

Title (en)
PRESSURIZED EXTINGUISHING GAS HIGH-TENSION CIRCUIT BREAKER

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EP 0233592 B1 19911121 (FR)

Application
EP 87101947 A 19870212

Priority
FR 8602100 A 19860217

Abstract (en)
[origin: US4700029A] A high-tension circuit-breaker having dielectric gas under pressure, the circuit-breaker comprising at least one assembled pair of first and second superposed insulating columns, the first column (3) acting as a support and the second column enclosing a circuit-breaking chamber, each of said columns being provided at its end facing the other column of the pair with a closure plate (5,6) enabling the columns to be disassembled without losing the gas contained in either of them, said plates being provided with respective central holes for passing a rod (12, 13) for operating the circuit-breaker contacts, the circuit-breaker being characterized in that each of said plates (5, 6) includes at least one hollow portion with said hollow portions facing each other in pairs, each of which defines a housing for receiving a container (4) of regenerator material, the end of each hollow portion and the two ends of each container being provided with holes to enable gas to flow from one column to the other through said regenerator material, with the holes through said hollow portions being closed by valve plates (50, 60) located inside the columns and urged by springs towards a closure position when the columns are disassembled, with each of the valve plates including a part (50A, 60A) which, when the columns are assembled and a container is in place, bear against the container in order to hold the valve plate in its open position against the resilient urging of the spring.

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