

Title (en)
CIRCUIT BREAKER WITH SELFPRODUCED FLOW OF EXTINGUISHING GAS

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Application
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DE 3720816 A 19870624

Abstract (en)
[origin: EP0296363A2] The invention relates to a circuit breaker with a self-produced flow of extinguishing gas, having a compression device for blasting out arcs. In the known self-blasting circuit breakers, intensive current arcs produce an overpressure which penetrates into the compression device, inhibits the switching movement and is not used optimally for blasting out the arc. Furthermore, the pressure chamber and the nozzle gap are not matched to the current intensity of the arc. The invention provides the following measures, to improve the switching characteristics in the case of intensive current arcs: Seals (10) arranged in the openings (1) between the compression chamber (7) and the pressure chamber (6), which seals close in the pressure chamber (6) in the case of a sharp increase in pressure, venting the compression chamber (7) in the case of a sharp increase in pressure, a pressure-dependent increase in the size of the pressure chamber (6), by means of a movable cylinder base (9) and a nozzle gap (15), which adjusts itself as a function of the pressure. <IMAGE>

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IPC 8 full level
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Citation (search report)

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