

Title (en)
GAS-BLAST CIRCUIT BREAKER

Publication
EP 0035581 B1 19831116 (DE)

Application
EP 80101206 A 19800310

Priority
EP 80101206 A 19800310

Abstract (en)
[origin: US4368367A] A fixed contact element and a movable contact element can be brought into and out of engagement with one another within a switching chamber. The switching chamber flow communicates, on the one hand, by means of a blast nozzle, closed by the movable contact element in the cut-on position of the gas-blast switch, with an expansion chamber and, on the other hand, flow communicates by means of a check or a non-return valve which opens in the direction of the switching chamber, with the pressure side of a pump cylinder arranged in the expansion chamber. Operatively associated with the pump cylinder is a movable pump piston which pressurizes the pump cylinder during a cut-off stroke with a time-delay. To reduce the constructional expenditure and to increase the operational reliability the pump piston is rigidly connected with the movable contact element, whereas the length of the pump cylinder is less than the switching stroke of the movable contact element, so that the pump piston is located externally of the pump cylinder at the region of the cut-on position of the gas-blast switch.

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H01H 33/91

IPC 8 full level
H01H 33/90 (2006.01); **H01H 33/915** (2006.01)

CPC (source: EP US)
H01H 33/901 (2013.01 - EP US); **H01H 2033/906** (2013.01 - EP US); **H01H 2033/908** (2013.01 - EP US)

Cited by
DE3405122A1; DE3437707A1; EP0149470A3; FR2558299A1; FR2519470A1; US4514605A

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