Title (en)

GAS BLAST CIRCUIT BREAKER

Publication

**EP 0194489 B1 19910508 (DE)**

Application

**EP 86102307 A 19860222**

Priority

CH 110785 A 19850312

Abstract (en)

[origin: DE3513264A1] The gas-blast circuit breaker which is preferably provided for switching medium voltages has in each case two erosion contacts (8, 10) and rated-current contacts (7, 9) which are located in a housing (1) filled with insulating gas and interact with one another. In order to achieve a compact construction, current connections (5, 6) are passed to the interior of the housing (1) transversely with respect to the movement direction of a moving erosion contact (8) of the two erosion contacts (8, 10). In the case of this gas-blast circuit breaker, it is intended to keep the drive energy required for a switching process as low as possible, while maintaining the compact construction. This is achieved in that the moved rated-current contact (7) is supported such that it can rotate, and in that a drive which acts on the moving erosion contact (8) and on the moving rated-current contact (7) has two insulating material rods (17, 18) which are articulated on a drive crank (20), and one of which is articulated on the moving erosion contact (8) and the other on the moving rated-current contact (7). At the same time, the two insulating rods (17, 18) are articulated on the drive crank (20) in such a manner that, a thrust crank, which is formed by the drive crank (20), the one insulating material rod (17) and the moving erosion contact (8) passes through a dead point (21) before reaching the switched-off state. <IMAGE>

IPC 1-7

H01H 3/46; H01H 33/12

IPC 8 full level

**H01H 33/74** (2006.01); **H01H 3/46** (2006.01); **H01H 33/12** (2006.01)

CPC (source: EP US)

**H01H 3/46** (2013.01 - EP US); **H01H 33/12** (2013.01 - EP US)

Cited by

EP0483840A3; DE3702195A1; EP1928065A1

Designated contracting state (EPC)

CH DE FR GB IT LI SE

DOCDB simple family (publication)

**EP 0194489 A2 19860917**; **EP 0194489 A3 19890315**; **EP 0194489 B1 19910508**; DE 3513264 A1 19860918; DE 3679089 D1 19910613; ES 552893 A0 19870701; ES 8707017 A1 19870701; IN 167671 B 19901208; JP 2573178 B2 19970122; JP S61208713 A 19860917; US 4675484 A 19870623

DOCDB simple family (application)

**EP 86102307 A 19860222**; DE 3513264 A 19850413; DE 3679089 T 19860222; ES 552893 A 19860311; IN 94MA1986 A 19860211; JP 5160586 A 19860311; US 82888186 A 19860213