

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

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