

Title (en)
HIGH TENSION CIRCUIT BREAKER WITH CLOSING RESISTOR

Publication
EP 0197339 B1 19890621 (DE)

Application
EP 86103192 A 19860310

Priority
• CH 72486 A 19860224
• CH 133885 A 19850327

Abstract (en)
[origin: US4670632A] The high-voltage switch with a closing resistor has a main switch point and, parallel to this, an auxiliary switch point, the closing resistor (19) being in series with the auxiliary switch point. A movable contact (17) of the auxiliary switch point is driven via a thrust-crank drive (16), in such a way that it closes before the main switch point and opens again after the main switch point has closed. In this high-voltage switch, the object is to achieve a cycle of movement which, while ensuring a saving of components of the drive, can be adapted in a simple way to differing network conditions. This is achieved because the thrust-crank drive (16) has a compressible joint (23), and because the movable contact (17) is coupled to two impact rings (34, 35) which interact with two stops (36, 37). When the auxiliary switch point is already closed, the first impact ring (34) strikes against the first stop (36), and the compressible joint (23) is guided from the first stable position beyond a dead center position into a second stable position. At the same time, the movable contact (17) moves somewhat in the opening direction and opens the auxiliary switch point.

IPC 1-7
H01H 33/16; **H01H 33/42**

IPC 8 full level
H01H 33/16 (2006.01); **H01H 33/42** (2006.01); **H01H 3/46** (2006.01)

CPC (source: EP US)
H01H 33/166 (2013.01 - EP US); **H01H 33/42** (2013.01 - EP US); **H01H 3/46** (2013.01 - EP US)

Cited by
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