

Title (en)

Snap action driving arrangement for circuit breakers

Title (de)

Sprungantrieb für elektrische Schalter

Title (fr)

Dispositif à action brusque pour interrupteurs électriques

Publication

**EP 0586733 B1 19960821 (DE)**

Application

**EP 92115463 A 19920910**

Priority

EP 92115463 A 19920910

Abstract (en)

[origin: EP0586733A1] The snap-action drive for switching the switch (10) on and off quickly has an input shaft (12) which can rotate backwards and forwards between the first limit position (18) and the second limit position (18') and has a clamping lever (16). The drive lever (22) is seated in a rotationally fixed manner on the output shaft (14), which is parallel to the input shaft (12). The drive lever (22) can rotate under the force of the energy storage spring arrangement (26) from the switched-off position (24) into the switched-on position (24') and back. The energy storage spring arrangement (26) has a helical spring (28) which acts as a prestressed compression spring and whose spring ends (36, 36') are each supported on a lug (32, 34) which, for their part, interact via driver stops (52, 54, 56, 58) with the clamping lever (16) and the drive lever (22). An interlock device supports the output shaft (14) in its switched-off and switched-on positions (24, 24') against the force of the helical spring (28), which can be stressed during rotation of the input shaft (12), until the input shaft (12) has reached the corresponding unlatching position. <IMAGE>

IPC 1-7

**H01H 3/30**

IPC 8 full level

**H01H 3/30** (2006.01); **H01H 33/40** (2006.01)

CPC (source: EP US)

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