

Title (en)

SNAP-ACTION MECHANISM FOR ELECTRICAL SWITCHGEAR

Title (de)

SPRUNGANTRIEB FÜR ELEKTRISCHE SCHALTGERÄTE

Title (fr)

DISPOSITIF A RUPTURE BRUSQUE POUR COMMUTATEURS ELECTRIQUES

Publication

**EP 1188172 B1 20030319 (DE)**

Application

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Abstract (en)

[origin: WO0075946A1] The invention relates to a snap-action mechanism for electrical switchgear with a drive shaft and an actuation disk which is non-rotatably linked with said drive shaft and actuates a moving spring. The snap-action mechanism further comprises a transfer element (8) that is rotatably received by the drive shaft and that is hinged at the moving spring and acts upon the switch shaft via a connecting rod (9). According to the invention, the snap-action mechanism is designed in such a manner that the switch-off force required for overcoming the adhesive forces for switching off the switchgear is reliably produced and transmitted. To this end, a pressure spring (18) is arranged between the transmission element (8) and the connecting rod (9) and is mounted on one of these elements of the snap-action mechanism. Said pressure spring interacts with the respective other element of the snap-action mechanism once the dead center position (T) has been overcome.

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