

Title (en)  
SWITCHING MECHANISM FOR A PROTECTIVE POWER CIRCUIT BREAKER

Publication  
**EP 0202546 B1 19910717 (DE)**

Application  
**EP 86106283 A 19860507**

Priority  
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Abstract (en)  
[origin: EP0202546A2] In the switching mechanism, a rigid contact lever (4), provided with a latching point (4a) can be latched via a spring-loaded manual operating toggle (2) and a pawl bracket (3). The contact lever (4), preferably designed as a flat stamped part, can in this case swivel freely with a longitudinal cut-out (4b) about a shaft (5) fixed to the housing. In this way, the contact lever (4) is supported in the braced state merely on the latching point (4a) and with its contact point (4c) on a fixed contact piece (6). The contact force is applied by a tension spring (10) which also causes the contacts to open on the basis of its point of application on the contact lever (4). Significant to the invention in this case is the point of application of the tension spring (10) in an eye (4e) which is located in the direction of tension in front of the two supporting points (latching point 4a, contact point 4c) and between the latching point (4a) and the longitudinal cut-out (4b). In addition, the tension spring (10) is suspended on the housing point (1d) at the same height as the contact lever (4), so that the direction of its effect coincides with the functional plane or plane of swivelling of the contact lever (4). In this way, the tension spring (10) has a stabilising effect on the flat contact lever (4) and tipping or slanting is prevented.

IPC 1-7  
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IPC 8 full level  
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CPC (source: EP)  
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Cited by  
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