

Title (en)
ELECTROMECHANICAL SWITCH

Title (de)
ELEKTROMECHANISCHER SCHALTER

Title (fr)
INTERRUPTEUR ELECTROMECHANIQUE

Publication
EP 1709660 A1 20061011 (DE)

Application
EP 04802014 A 20041222

Priority

- AT 2004000452 W 20041222
- AT 562004 A 20040119

Abstract (en)
[origin: WO2005069336A1] Electromechanical switch, as for example a circuit-breaker or a fault current protection switch, comprising a least one fixed contact (10) and at least one displaceable contact (6) co-operating therewith, said contact being maintained in a pivotable manner on a switch shaft (4) which can be displaced on at least one cam (13) and is prestressed by means of a spring (18) in a direction of a closing position of the respectively co-operating contacts (10, 6). The displaceable contact (6) is located in a position of the switch shaft (4) corresponding to the opened position of the co-operating contact (10, 6), said switch shaft being rotated about an actuating lever (3), whereon a stop (20) of the switch shaft (4) is located and the displaceable contact (6) also comprises an extension (15) which co-operates with a locking part (8) which can be maintained in a pivotable manner and which inhibits the movement of the displaceable contact (6) at a predetermined rotational angle of the switch shaft (4). The displaceable contact (6) is released when a predetermined rotational angle of the switch shaft (4) is exceeded. In order to produce said electromechanical switch in a simple manner, the locking part (8) is maintained in a pivotable manner on an axis (7) which extends in a parallel manner on the switch shaft (4) and is prestressed counter to the stop position thereof and the stop part (8), together with an area (14) inhibiting the movement of the displaceable contact (6) over the predetermined rotational angle of the switch shaft (4) and an area (12) which can be controlled by a cam (13) which can be displaced by the switch shaft (4).

IPC 8 full level
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CPC (source: EP)
H01H 71/52 (2013.01); **H01H 2300/048** (2013.01)

Citation (search report)
See references of WO 2005069336A1

Cited by
US8604374B2; WO2013003057A1

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