

Title (en)
ELECTRIC SWITCHING DEVICE

Title (de)
ELEKTRISCHES SCHALTGERÄT

Title (fr)
APPAREIL DE COMMUTATION ÉLECTRIQUE

Publication
EP 2064723 A1 20090603 (DE)

Application
EP 07802200 A 20070907

Priority
• EP 2007007808 W 20070907
• DE 102006044119 A 20060920

Abstract (en)
[origin: WO2008034530A1] An electric switch, particularly a low-voltage switch, is proposed. Components (50, 54) are present between the shifting gate (40) and the selector shaft (13) of the switch mechanism (20) for the OFF switch and SUPPLY VOLTAGE TO ACTUATOR actions, and transmit an action from the shifting gate (40) onto the selector shaft (13) and back such that in an undefined switch state the actuation of the shifting gate (40) is locked in the OFF switch position. It is proposed that as the locking components a segment (50) that can be pivoted about a pivot axis (52), and a spring element (54) storing the segment (50) to a stop (124) in the carrier housing (122) are utilized, wherein the segment has two corners (56, 58), of which the first corner (56) points in the direction of the shifting gate (40), and the second corner (58) points in the direction of the selector shaft (13). At the shifting gate (40), a stop lug (42) pointing in the direction of the segment (50), and at the selector shaft (13) a cam (16) pointing in the direction of the segment (50) are configured, wherein on the movement path of the shifting gate (40) from a position determined by the undefined switch state the stop lug (42) is brought into the OFF movement path direction in a positive contact with the segment (50), and the segment (50) is pivoted until the second segment corner (58) is brought into positive connection with the selector shaft cams (16), wherein a stop point is created before the OFF switch position is reached.

IPC 8 full level
H01H 71/50 (2006.01)

CPC (source: EP)
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Citation (search report)
See references of WO 2008034530A1

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Designated extension state (EPC)
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DOCDB simple family (publication)
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