

Title (en)
Security means in a household appliance

Title (de)
Sicherheitsvorrichtung in einem Haushaltsgerät

Title (fr)
Dispositif de sécurité dans un appareil ménager

Publication
EP 1550759 A3 20090826 (EN)

Application
EP 04468026 A 20041216

Priority
SI 200300310 A 20031218

Abstract (en)
[origin: EP1550759A2] Security means in a household appliance comprises an electric switching unit (1) provided with a PTC resistor (11) and a bistable switching spring (12), at a free end of which spring a movable contact (13) is fixed, a blocking slider (2) for blocking a handle (6) of an appliance door and a latch (3), which in a state of the blocked handle (6) projects into a first opening (21) of the blocking slider (2). A protective lifter (4) is placed between the free end of the bistable switching spring (12) and the blocking slider (2) and transversely thereto. In a state of the unblocked handle (6) a tip (41) of the protective lifter (4) abuts on a lifting elevation (22) of the blocking slider (2) and keeps the free end of the even possibly hot bistable switching spring (12) apart so that the movable contact (13) is separated from a fixed contact (14). In the state of the blocked handle (6) the tip (41) of the protective lifter (4) abuts on an unelevated spot of the blocking slider (2) so that the movable contact (13) fixed at the free end of the bistable switching spring (12) is closed with the fixed contact (14). The security means in a household appliance according to the invention contributes to a higher security for the user in a simple way.

IPC 8 full level
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CPC (source: EP US)
D06F 37/42 (2013.01 - EP US); **E05B 17/22** (2013.01 - EP); **E05B 47/0009** (2013.01 - EP US)

Citation (search report)

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Designated extension state (EPC)
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