

Title (en)

Electric switching unit for security means in household appliances

Title (de)

Elektrische Schalteinheit für Sicherheitseinrichtungen in Haushaltsgeräten

Title (fr)

Unité de commutation pour des moyens de sécurité dans des appareils menagers

Publication

EP 1137030 A1 20010926 (EN)

Application

EP 01106430 A 20010322

Priority

SI 200000081 A 20000323

Abstract (en)

Electric switching unit for a security means in household appliances comprises a PTC resistor (1), a bimetal strip (2), a bimetal strip (21) compensating for an elevated appliance temperature and a bistable switching spring (3), which is made of a strip spring (31) and a hoop spring (32) coupled to each other by a coupling spring (33). The PTC resistor (1) is placed in a electrically conductive way between the strip spring (31) decisive for the jumping over of the hoop spring (32) and the bimetal strip (2). A first end of the bimetal strip (2) is leaned against an adjusting screw (22) and the second end thereof is leaned against the compensating bimetal strip (21) supported at both ends. The length of the bimetal strip (2) is such that the PTC resistor (1) only slightly influences the temperature of the compensating bimetal strip (21). <IMAGE>

IPC 1-7

H01H 37/10; **H01H 61/06**

IPC 8 full level

H01H 37/10 (2006.01); **H01H 61/06** (2006.01)

IPC 8 main group level

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CPC (source: EP)

H01H 37/10 (2013.01); **H01H 61/06** (2013.01)

Citation (search report)

- [A] US 3702454 A 19721107 - BROWN HORACE D
- [A] EP 0682352 A2 19951115 - SAMUEL MONTAGU & CO LIMITED AS [GB]

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WO2006095241A1; EP1645706A3; EP1550759A3; WO2013151964A1; WO2008044132A3

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