

Title (en)
Switch with a safety element

Title (de)
Schalter mit einem Sicherheitselement

Title (fr)
Interrupteur avec un élément de sécurité

Publication
EP 0828273 B1 20030827 (DE)

Application
EP 97109367 A 19970610

Priority
DE 19636640 A 19960910

Abstract (en)
[origin: EP0828273A2] The electrical switch has a pair of conductors 14,15, one of which has a contact 21 on a bimetallic strip 25 and normally this engages a fixed contact 26. When the current is such that a temperature threshold is exceeded the bimetallic strip responds and the contacts open. An additional safety feature is included in the form of a temperature sensitive spring 27 that expands and when a critical temperature value is reached opens the contacts.

IPC 1-7
H01H 37/32; **H01H 37/52**

IPC 8 full level
H01H 37/00 (2006.01); **H01H 37/32** (2006.01); **H01H 37/52** (2006.01)

CPC (source: EP US)
H01H 37/002 (2013.01 - EP US); **H01H 37/323** (2013.01 - EP US); **H01H 37/52** (2013.01 - EP US); **H01H 2061/0115** (2013.01 - EP US)

Cited by
EP1033732A3; WO0249059A1; WO2018024386A1; EP3813090A1; EP4258316A3; US11749479B2; US11881369B2

Designated contracting state (EPC)
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EP 0828273 A2 19980311; **EP 0828273 A3 19981118**; **EP 0828273 B1 20030827**; AT E248432 T1 20030915; DE 19636640 A1 19980312; DE 19636640 C2 19990218; DE 59710647 D1 20031002; ES 2205088 T3 20040501; PT 828273 E 20040130; US 6091315 A 20000718

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