

Title (en)  
Switch with security welding

Title (de)  
Schalter mit Verschweissicherung

Title (fr)  
Interrupteur a soudage de securité

Publication  
**EP 1033732 A3 20020619 (DE)**

Application  
**EP 99124508 A 19991209**

Priority  
DE 19909059 A 19990302

Abstract (en)  
[origin: EP1033732A2] The switch has a fixed contact pad (26) that is engaged by a movable contact (25) on the tip of a bimetallic element (23). Bimetallic element is coupled to a leaf spring (17). Contact between pad (26) and contact (25) is opened if too high ambient temperature or due to current flow. At the end of its operational life, arcing which occurs as contact opens welds movable contact in the open position.

IPC 1-7  
**H01H 1/50**; **H01H 37/54**

IPC 8 full level  
**H01H 1/50** (2006.01); **H01H 37/54** (2006.01); **H01H 3/00** (2006.01)

CPC (source: EP US)  
**H01H 1/50** (2013.01 - EP US); **H01H 37/54** (2013.01 - EP US); **H01H 3/001** (2013.01 - EP US); **H01H 2001/506** (2013.01 - EP US); **H01H 2037/5463** (2013.01 - EP US)

Citation (search report)

- [X] EP 0828273 A2 19980311 - HOFSAESS MARCEL PETER [DE]
- [XP] EP 0938116 A2 19990825 - HOFSAESS MARCEL [DE]
- [A] US 4399423 A 19830816 - NIELD JOSEPH G [US]
- [A] PATENT ABSTRACTS OF JAPAN vol. 1995, no. 11 26 December 1995 (1995-12-26)

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