

Title (en)  
BIMETALLIC THERMAL SWITCH

Title (de)  
THERMOBIMETALLSCHALTER

Title (fr)  
THERMORUPTEUR BIMETALLIQUE

Publication  
**EP 1774555 B1 20081217 (DE)**

Application  
**EP 05775029 A 20050722**

Priority  
• EP 2005008001 W 20050722  
• DE 102004036117 A 20040724

Abstract (en)  
[origin: WO2006010563A1] Disclosed is a bimetallic thermal switch comprising an electrically insulating support (2) and a bimetallic contact spring (4) that is supported by said electrically insulating support (2) and is provided with two ends, one of which is fixed. At least one subarea (4a) of said contact spring (4) is shaped so as to rapidly change the curvature thereof when the switching temperature thereof is exceeded. The inventive bimetallic thermal switch further comprises two electrical feeders (8, 9) which are supported by the insulating support (2) and extend to two contact pieces (6, 7) that are separated from each other and from the contact spring (4), as well as a contact bridge (5) which is mounted on the contact spring (4) opposite the two contact pieces (6, 7).

IPC 8 full level  
**H01H 37/54** (2006.01); **H01H 1/20** (2006.01)

CPC (source: EP US)  
**H01H 37/5427** (2013.01 - EP US); **H01H 1/20** (2013.01 - EP US); **H01H 37/5418** (2013.01 - EP US); **H01H 37/64** (2013.01 - EP US)

Cited by  
DE102011016896C5; EP2511930A1; EP2511930B1

Designated contracting state (EPC)  
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DOCDB simple family (publication)  
**WO 2006010563 A1 20060202**; AT E418153 T1 20090115; DE 102004036117 A1 20060316; DE 102004036117 B4 20061214; DE 502005006292 D1 20090129; EP 1774555 A1 20070418; EP 1774555 B1 20081217; ES 2319800 T3 20090512; US 2007252671 A1 20071101

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