

Title (en)
Temperature-dependent switch

Title (de)
Temperaturabhängiger Schalter

Title (fr)
Commutateur dépendant de la température

Publication
EP 0651411 B1 19970122 (DE)

Application
EP 94115910 A 19941008

Priority
DE 4337141 A 19931030

Abstract (en)
[origin: EP0651411A1] A temperature-dependent switch (10) for opening and closing a circuit as a function of the temperature of a bimetallic part (26) has an electrically conductive housing part (12) with a lower side (13). Furthermore, an electrically conductive cover part (16) is provided in order to close the housing part (12). An insulating disc (washer) (17), which electrically insulates the housing part (12) from the cover part (16), is arranged between the housing part (12) and the cover part (16). Arranged in the housing part (12) is a switching mechanism (15) which produces or opens an electrical contact between the housing part (12) and the cover part (16) as a function of the temperature of the bimetallic part (26), it being possible to connect the circuit on the one hand to the cover part (16) and on the other hand to the housing part (12). The housing part (12) is provided with a shoulder (35) which is set back with respect to the lower side (13). <IMAGE>

IPC 1-7
H01H 37/04; **H01H 1/58**

IPC 8 full level
H01H 1/58 (2006.01); **H01H 37/04** (2006.01); **H01H 37/54** (2006.01)

CPC (source: EP US)
H01H 1/58 (2013.01 - EP US); **H01H 37/5427** (2013.01 - EP US); **H01H 37/5436** (2013.01 - EP US); **H01H 2001/5894** (2013.01 - EP US)

Cited by
DE102011119633B3; EP0794546A3; EP0813215A1; US5877671A; EP3136416A1; EP3410457A1; EP3024010A1; US2016141128A1; CN105609369A; WO9910941A1; EP2597661A1; US10541096B2; US10755880B2

Designated contracting state (EPC)
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