

Title (en)

THERMAL SWITCH WITH A TEMPERATURE DETECTOR FORMED BY A BIMETALLIC SNAP DISC

Publication

EP 0168378 B1 19911023 (DE)

Application

EP 85890128 A 19850612

Priority

AT 196684 A 19840615

Abstract (en)

[origin: US4646054A] A thermal switch for breaking an electrical circuit to prevent overheating is described. The thermal switch includes a bimetallic thermocouple in the form of a snap disc and a leaf spring. The leaf spring supports an electrical contact. When the leaf spring is in its stressed position, the electrical contact keeps an electrical circuit closed. When the temperature rises too high, the snap disc snaps in a direction which causes the leaf spring to move into its unstressed position, thereby opening the circuit. When the temperature has decreased, the switch can be reset.

IPC 1-7

H01H 37/54; H01H 37/70

IPC 8 full level

H01H 37/54 (2006.01)

CPC (source: EP US)

H01H 37/5409 (2013.01 - EP US)

Designated contracting state (EPC)

DE FR GB IT NL

DOCDB simple family (publication)

EP 0168378 A2 19860115; EP 0168378 A3 19880727; EP 0168378 B1 19911023; AT 386489 B 19880825; AT A196684 A 19880115; DE 3584481 D1 19911128; US 4646054 A 19870224

DOCDB simple family (application)

EP 85890128 A 19850612; AT 196684 A 19840615; DE 3584481 T 19850612; US 74394585 A 19850612