

Title (en)
Thermostat

Title (de)
Temperaturwächter

Title (fr)
Thermostat

Publication
EP 0756301 B1 20011219 (DE)

Application
EP 96106744 A 19960429

Priority
DE 19527254 A 19950726

Abstract (en)
[origin: EP0756301A2] The temperature controlled switching device has a bimetallic actuator disc 29 that is supported above a metal spring diaphragm 22 within an insulator insert 16 in a metal housing 13. At the centre of the disc is a movable contact 34 that normally engages a fixed contact 24 on a cover plate 14. The contacts are coupled to input and output wires 41, 43 and a temperature increase is produced to cause switching at a specific point. An additional input is provided by a resistance heating elements on base substrate 26 that provides rapid switching for a sudden overload

IPC 1-7
H01H 37/54; H01H 81/02

IPC 8 full level
H01H 1/50 (2006.01); **H01H 37/54** (2006.01); **H01H 81/02** (2006.01); H01H 11/00 (2006.01); **H01H 37/52** (2006.01); **H01H 71/16** (2006.01)

CPC (source: EP US)
H01H 1/504 (2013.01 - EP US); **H01H 37/5427** (2013.01 - EP US); **H01H 81/02** (2013.01 - EP US); **H01H 11/0006** (2013.01 - EP US); **H01H 37/52** (2013.01 - EP US); **H01H 71/164** (2013.01 - EP US)

Cited by
EP1720183A4; EP0920044A3; CN102446656A; EP2846344A3; EP0915491A3; EP2874171A1; US10256061B2; US8395062B2; US9691576B2

Designated contracting state (EPC)
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