

Title (en)
Temperature limiter

Title (de)
Temperaturbegrenzer

Title (fr)
Limiteur de température

Publication
EP 1251540 B1 20100224 (DE)

Application
EP 02450051 A 20020308

Priority
AT 6212001 A 20010417

Abstract (en)
[origin: US2002149465A1] A temperature limiter includes a switch head with a switching contact and a temperature sensor having elongate expansion elements of different thermal expansion coefficients. The expansion elements are fixed relative to one another in one end zone and movable relative to one another in the other end zone. Slidably supported in the switch head is a ram which abuts against the movable expansion element and has an end portion constructed to allow application of welding or soldering. A switch sleeve is placed over the ram end portion and adapted to actuate the contact. The switch sleeve is movable relative to the ram during a calibration phase, until reaching a position which is determinative for calibrating a desired response temperature of the switching contact. In this position, the switch sleeve is then securely fixed to the end portion by fusion welding or soldering.

IPC 8 full level
H01H 37/00 (2006.01); **H01H 37/20** (2006.01); **H01H 37/22** (2006.01); **H01H 37/48** (2006.01)

CPC (source: EP US)
H01H 37/20 (2013.01 - EP US); **H01H 37/22** (2013.01 - EP US); **H01H 37/48** (2013.01 - EP US)

Cited by
EP2544205A1; EP2287877A3; WO2009027687A1; US8368503B2

Designated contracting state (EPC)
AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE TR

DOCDB simple family (publication)
EP 1251540 A2 20021023; EP 1251540 A3 20040922; EP 1251540 B1 20100224; AT 409680 B 20021025; AT A6212001 A 20020215; AT E459085 T1 20100315; DE 50214225 D1 20100408; US 2002149465 A1 20021017; US 6646538 B2 20031111

DOCDB simple family (application)
EP 02450051 A 20020308; AT 02450051 T 20020308; AT 6212001 A 20010417; DE 50214225 T 20020308; US 12280302 A 20020415