

Title (en)

CONTROL THERMOSTAT PROVIDED WITH A HOLDING DEVICE

Title (de)

MIT EINER HALTEEINRICHTUNG AUSGESTATTETER STEUER THERMOSTAT

Title (fr)

THERMOSTAT DE RÉGULATION À DISPOSITIF DE RETENUE

Publication

EP 1766647 A1 20070328 (FR)

Application

EP 05773019 A 20050526

Priority

- FR 2005001300 W 20050526
- FR 0405670 A 20040526

Abstract (en)

[origin: WO2005119720A1] The inventive probe thermostat comprises an electromechanical temperature control system arranged in a pedestal enclosure (3) closed by a casing (13), wherein said temperature control system consists of a probe (2) provided with a high-expansion metal tube (5) inside of which a low-expansion metal rod (7) is disposed, a safety device (15) for opening safety breakers (29, 30) when the temperature is greater than a minimum thermal threshold thereof and a holding device (18, 20) for converting the low expansion movement of the safety device (15) in to a sudden movement for opening the contacts (31, 32) of the elastic blades (27, 28) of each safety breaker (29, 30). Said holding device temporarily acts on a sliding unit (17) which contacts each safety breaker(29, 30) and is connected to the safety device.

IPC 8 full level

H01H 37/00 (2006.01); **H01H 37/32** (2006.01); **H01H 37/48** (2006.01); **H01H 37/60** (2006.01)

CPC (source: EP)

H01H 37/323 (2013.01); **H01H 37/48** (2013.01); **H01H 37/60** (2013.01); **H01H 37/002** (2013.01)

Citation (search report)

See references of WO 2005119720A1

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU MC NL PL PT RO SE SI SK TR

DOCDB simple family (publication)

FR 2870985 A1 20051202; **FR 2870985 B1 20070518**; AT E405941 T1 20080915; DE 602005009193 D1 20081002; EP 1766647 A1 20070328; EP 1766647 B1 20080820; WO 2005119720 A1 20051215

DOCDB simple family (application)

FR 0405670 A 20040526; AT 05773019 T 20050526; DE 602005009193 T 20050526; EP 05773019 A 20050526; FR 2005001300 W 20050526