

Title (en)

OVERHEATING PROTECTION CONTROLLER ASSEMBLY OF LIQUID HEATING VESSEL

Title (de)

ÜBERHITZUNGSSCHUTZ-STEUERANORDNUNG FÜR EIN FLÜSSIGKEITSERHITZUNGSGEFÄSS

Title (fr)

ENSEMBLE DE DISPOSITIF DE COMMANDE ANTI-SURCHAUFFE DE RÉCIPIENT DE CHAUFFAGE DE LIQUIDE

Publication

**EP 2306484 B1 20160309 (EN)**

Application

**EP 09799925 A 20090706**

Priority

- CN 2009000760 W 20090706
- CN 200810120109 A 20080719

Abstract (en)

[origin: EP2306484A1] The present invention provides an overheat protection controller assembly of a liquid heating vessel, which comprises a control body, a monolithic conjoined double-actuating thermal sensitive bimetal actuator arranged on the upper surface of the control body, and two groups of switch contacts arranged on the control body correspondingly, each group of the switch contacts cooperate with a corresponding actuating unit. The monolithic conjoined double-actuating thermal sensitive bimetal actuator is comprised of two conjoined actuating units which are relatively independent and formed of a bimetal sheet, the edge lines of the two actuating units are separated from each other, a unit outer auxiliary connection part is arranged between the adjacent edge lines of the two actuating units, the unit outer auxiliary connection part is located outside of the edges lines of the two actuating units and effectively makes the two actuating units form a monolithic conjoined double-actuating thermal sensitive bimetal actuator.

IPC 8 full level

**H01H 37/52** (2006.01); **A47J 27/21** (2006.01); **F24H 9/20** (2006.01); **H01H 37/54** (2006.01); **H01H 37/72** (2006.01)

CPC (source: EP)

**H01H 37/54** (2013.01); **H01H 2037/5472** (2013.01); **H01H 2037/549** (2013.01)

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO SE SI SK SM TR

DOCDB simple family (publication)

**EP 2306484 A1 20110406**; **EP 2306484 A4 20140108**; **EP 2306484 B1 20160309**; CN 101630607 A 20100120; CN 101630607 B 20120425; ES 2575011 T3 20160623; IL 210510 A0 20110331; IL 210510 A 20170529; RU 2011100723 A 20120827; RU 2501114 C2 20131210; WO 2010009609 A1 20100128; ZA 201100395 B 20111026

DOCDB simple family (application)

**EP 09799925 A 20090706**; CN 200810120109 A 20080719; CN 2009000760 W 20090706; ES 09799925 T 20090706; IL 21051011 A 20110106; RU 2011100723 A 20090706; ZA 201100395 A 20110114