

Title (en)

Bimetallic snap disc

Title (de)

Bimetall-Schnappscheibe

Title (fr)

Disque bimétallique embouti

Publication

EP 2282320 A1 20110209 (DE)

Application

EP 10007713 A 20100724

Priority

DE 102009035829 A 20090801

Abstract (en)

The disc has an arched main element (1) whose arch extends in one direction and snaps in opposite direction under influence of temperature change. The main element is provided with heating element formed by electrical conductor (2) provided directly on main element. The electrical conductor is embedded in an insulating layer and in the form of conductor strip.

Abstract (de)

Eine Bimetall-Schnappscheibe mit einem gewölbten Hauptelement (1), dessen Wölbung sich unter Temperatureinfluss in die entgegen gesetzte Richtung ausbildet, ist dadurch gekennzeichnet, dass auf dem Hauptelement (1) ein als elektrischer Leiter (2) ausgebildetes erstes Heizelement angeordnet ist.

IPC 8 full level

H01H 37/54 (2006.01); **H01H 61/02** (2006.01)

CPC (source: EP US)

H01H 37/5418 (2013.01 - EP US); **H01H 61/02** (2013.01 - EP US); **H01H 61/0107** (2013.01 - EP US)

Citation (applicant)

EP 0813215 B1 20020403 - HOFSAESS MARCEL [DE]

Citation (search report)

- [XAYI] DE 1180446 B 19641029 - ALFRED ODENWALD
- [XAI] US 2636098 A 19530421 - CATALDO JOHN B
- [XAI] US 2800555 A 19570723 - SUNDT EDWARD V
- [XA] US 2293179 A 19420818 - SWINGLE RALPH H
- [XA] DE 1099299 B 19610209 - SIEMENS AG
- [YA] JP S5112967 U 19760130
- [YA] JP 2002204525 A 20020719 - SANYO ELECTRIC CO
- [A] US 4703298 A 19871027 - GERSON PHILIPS M [NL]

Cited by

EP3240006A4; DE202013007062U1; DE202013007287U1

Designated contracting state (EPC)

AL 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

Designated extension state (EPC)

BA ME RS

DOCDB simple family (publication)

EP 2282320 A1 20110209; CN 101989513 A 20110323; US 2011025449 A1 20110203

DOCDB simple family (application)

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