

Title (en)

Temperature controlled switching device with tilting system.

Title (de)

Temperaturgesteuerte Schalteinrichtung mit einem Kippsystem.

Title (fr)

Dispositif de commutation à commande thermique avec système à balayage.

Publication

**EP 0647956 B1 19950628 (DE)**

Application

**EP 93810715 A 19931012**

Priority

EP 93810715 A 19931012

Abstract (en)

[origin: EP0647956A1] The temperature-controlled switching device has a tilting system (1) which consists of a carrier (2) and a switching rocker (3). A drive element (18), whose y-position is a function of the temperature of a sensor (28), acts with a force (K) onto a drive surface (6) on the carrier (2) such that the tilting system (1) can be tilted from an ON position into an OFF position and such that the direction of the tilting movement from the ON position to the OFF position is opposite to the force (K) which acts on the drive surface (6). A fracture safety spring (24) is mounted such that it initiates a tilting movement into the OFF position in the event of any leakage from the temperature sensor (28), which is filled with an expanding material. If designed as a temperature limiter, the tilting system (1) is reset from the OFF position to the ON position by a resetting plunger (26), from the same side as the drive by the drive element (18). Electrical connecting male contacts (16b; 21b; 22b; 30b) are arranged on the side opposite the drive element (18). Such a temperature-controlled switching device is suitable for use as a temperature regulator, temperature monitor or temperature limiter, designed with or without safety functions such as fracture safety or operating safety. <IMAGE>

IPC 1-7

**H01H 37/60**; **H01H 37/02**

IPC 8 full level

**H01H 35/26** (2006.01); **H01H 37/00** (2006.01); **H01H 1/025** (2006.01); **H01H 5/18** (2006.01); **H01H 11/00** (2006.01); **H01H 37/04** (2006.01); **H01H 37/70** (2006.01); **H01H 71/62** (2006.01)

CPC (source: EP)

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