

Title (en)  
Temperature-sensor and actuator device

Title (de)  
Temperatursensor und Betätigungsvorrichtung dafür

Title (fr)  
Capteur de température et dispositif d'actionnement

Publication  
**EP 1936344 A1 20080625 (EN)**

Application  
**EP 07024478 A 20071218**

Priority  
IT VA20060083 A 20061222

Abstract (en)  
Provided herein is a temperature-sensor and actuator device, comprising: a supporting body (4); an actuator lever (5), which is constrained to the supporting body (4) and can turn with respect to the supporting body (4) itself about an axis of rotation (5a), the rotation of the actuator lever (5) being linked to the rotation of an actuator shaft (2); a return torque acting on the control lever (5) about said axis of rotation (5a); and at least one elastic element (3) made of shape-memory material, designed to vary its elastic constant at at least two different operating temperatures, and constrained to the supporting body (4) and to the actuator lever (5) in such a way that its elastic deformation is such as to determine a torque acting on the actuator lever (5) about the axis of rotation (5a) and opposing the return torque.

IPC 8 full level  
**G01K 5/48** (2006.01); **H01H 61/01** (2006.01)

CPC (source: EP)  
**H01H 61/0107** (2013.01); **H01H 37/323** (2013.01); **H01H 2061/0115** (2013.01); **H01H 2061/0122** (2013.01)

Citation (search report)

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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 LV MC MT NL PL PT RO SE SI SK TR

Designated extension state (EPC)  
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