

Title (en)  
TEMPERATURE SENSING DEVICE

Title (de)  
TEMPERATURFÜHLVORRICHTUNG

Title (fr)  
SONDE DE TEMPERATURE

Publication  
**EP 0806000 A1 19971112 (EN)**

Application  
**EP 95940498 A 19951130**

Priority  
• SE 9501443 W 19951130  
• SE 9404199 A 19941202

Abstract (en)  
[origin: WO9617281A1] A temperature sensing device adapted to bring about an actuating movement of a control valve, e.g. for a heating element. The device comprises a heat insulating housing (2) with a closed fluid chamber (5), which is filled with a fluid having a high coefficient of volume expansion and which is enclosed externally by a heat conducting casing (4) and internally by an elastically stretchable diaphragm (7). The diaphragm abuts a piston (9), which is displaceable in a sleeve body (6, 6') in the housing (2). The piston and the surrounding sleeve body (6, 6') form a continuous abutment surface for the diaphragm (7), wherein the central portion (7f) of the diaphragm (7) continuously abuts the end surface of the piston (9) and follows the movements of the piston while being stretched. The various parts of the device are preferably made of a polymer material.

IPC 1-7  
**G05D 23/12**

IPC 8 full level  
**G05D 23/12** (2006.01)

CPC (source: EP)  
**G05D 23/121** (2013.01)

Citation (search report)  
See references of WO 9617281A1

Designated contracting state (EPC)  
AT BE CH DE DK ES FR GB GR IE IT LI LU MC NL PT SE

DOCDB simple family (publication)  
**WO 9617281 A1 19960606**; EP 0806000 A1 19971112; FI 971917 A0 19970505; FI 971917 A 19970505; NO 972146 D0 19970509; NO 972146 L 19970509; SE 502895 C2 19960212; SE 9404199 D0 19941202; SE 9404199 L 19960212

DOCDB simple family (application)  
**SE 9501443 W 19951130**; EP 95940498 A 19951130; FI 971917 A 19970505; NO 972146 A 19970509; SE 9404199 A 19941202