

Title (en)  
GLASS COATED DISK THERMISTOR

Publication  
**EP 0061550 A3 19831005 (EN)**

Application  
**EP 81304781 A 19811014**

Priority  
US 19699180 A 19801014

Abstract (en)  
[origin: EP0061550A2] A tri-metal contact film (31, 33) of silver, platinum, and palladium is metallurgically bonded to the opposite surfaces of a disk (11) of dense, controlled temperature coefficient of resistance thermistor material. The disk is trimmed to the desired electrical dimensions and a silver-clad wire (61, 63) is fusion welded by thermal compression bonding to the contact film (31, 33) on each side of the disk. The method of making electrical contact allows the assembly to be encased in a conformal glass coating (75). The glass coating (75) provides an enhanced stability thermistor having predetermined characteristics.

IPC 1-7  
**H01C 7/04**; H01C 1/142; G01K 7/22; H01C 7/02

IPC 8 full level  
**H01C 7/04** (2006.01)

CPC (source: EP)  
**H01C 7/04** (2013.01)

Citation (search report)  
• [A] GB 1257148 A 19711215  
• [A] GB 685229 A 19521231 - WESTERN ELECTRIC CO  
• [A] GB 770175 A 19570320 - WELWYN ELECTRICAL LAB LTD, et al

Cited by  
US5142267A; CN114291783A; AT398636B; CN105890794A; CN106092364A; EP0171877A1; EP0111361A1; US4533898A; EP0400167B1

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