

Title (en)

MERCURY SWITCH USING THE SURFACE TENSION OF MERCURY TO RESET THE MOVABLE ELEMENT

Publication

EP 0057130 B1 19850821 (FR)

Application

EP 82400095 A 19820119

Priority

FR 8101293 A 19810123

Abstract (en)

[origin: US4471190A] A drawback device to ensure the return of a moving part to its original position, after it has been moved away from it by another force. The existing method, involving an elastic mechanical component which acts as a spring, is replaced in this invention by a quantity of liquid, placed between the moving part and a fixed part, and remaining there through the effect of capillarity. When the moving part moves away from the fixed part, surface tension is created on the surface of the liquid, tending to draw the moving part back to its original position. Such devices are used in sealed miniaturized relays with mercury-wetted contacts.

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IPC 8 full level

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