

Title (en)  
BISTABLE MICRO-SWITCH AND METHOD OF MANUFACTURING THE SAME

Title (de)  
BISTABILER MIKROSCHALTER UND VERFAHREN ZUM HERSTELLEN DESSELBEN

Title (fr)  
MICROCOMMUTATEUR BISTABLE ET SON PROCEDE DE FABRICATION

Publication  
**EP 1166298 A1 20020102 (EN)**

Application  
**EP 99912877 A 19990326**

Priority  
US 9906450 W 19990326

Abstract (en)  
[origin: WO0058980A1] The present invention provides a bistable switch using a shape memory alloy, and a method for manufacturing the same. More specifically, the bistable switch includes a substrate having at least one power source; a flexible sheet having a first distal end attached to the substrate; a bridge contact formed at a second and opposite distal end of the flexible sheet; and at least one heat activated element connected to a first surface of the flexible sheet and between the second distal end and the power source. During operation, current from the power source passing through the heat activated element to indirectly bend the flexible sheet and short the signal contacts on the substrate with a sustainable force.

IPC 1-7  
**H01H 1/00**; **H01H 61/01**

IPC 8 full level  
**H01H 61/01** (2006.01); **H01H 1/00** (2006.01)

CPC (source: EP KR)  
**H01H 9/00** (2013.01 - KR); **H01H 61/0107** (2013.01 - EP); **H01H 1/0036** (2013.01 - EP); **H01H 2001/0042** (2013.01 - EP);  
**H01H 2061/006** (2013.01 - EP)

Citation (search report)  
See references of WO 0058980A1

Designated contracting state (EPC)  
DE ES FR GB IT

DOCDB simple family (publication)  
**WO 0058980 A1 20001005**; AU 3114299 A 20001016; BR 9917232 A 20020219; CA 2363386 A1 20001005; CN 1348597 A 20020508;  
EP 1166298 A1 20020102; KR 20020018655 A 20020308

DOCDB simple family (application)  
**US 9906450 W 19990326**; AU 3114299 A 19990326; BR 9917232 A 19990326; CA 2363386 A 19990326; CN 99816529 A 19990326;  
EP 99912877 A 19990326; KR 20017012183 A 20010925