

Title (en)
Sub-miniature fuse

Title (de)
Mikrosicherung

Title (fr)
Micro fusible

Publication
EP 0924733 A3 20000524 (DE)

Application
EP 98121442 A 19981111

Priority
DE 19757024 A 19971220

Abstract (en)
[origin: DE19757024C1] The micro-fuse has at least 2 planar linear actuators (1,2) provided by meandering structures (3,4 ; 5,6) acting as setting elements within the electrical current circuit, each with a fixed end (7) and a movable working end (8) and made of an electrically conductive shape memory alloy foil. The working ends of the actuators move in opposite directions and are coupled via a coupling piece (9) supporting a switch contact (10) which is opened and closed via respective actuators.

IPC 1-7
H01H 71/14; **H01H 61/04**; **H01H 1/52**

IPC 8 full level
H01H 61/01 (2006.01); **H01H 71/14** (2006.01); **H01H 1/00** (2006.01); **H01H 1/52** (2006.01)

CPC (source: EP)
H01H 61/0107 (2013.01); **H01H 71/145** (2013.01); **H01H 1/0036** (2013.01); **H01H 1/52** (2013.01); **H01H 2001/0047** (2013.01); **H01H 2061/006** (2013.01); **H01H 2061/0122** (2013.01); **H01H 2083/206** (2013.01)

Citation (search report)
• [A] US 4811564 A 19890314 - PALMER MARK D [US]
• [A] GB 2182747 A 19870520 - GEN ELECTRIC CO PLC
• [A] DE 19525475 A1 19970116 - BAYERISCHE MOTOREN WERKE AG [DE]
• [DA] M KOHL ET AL: "Stress-optimised Integrated Linear Actuators with Shape Memory Effect", PROCEEDINGS OF THE INTERNATIONAL CONFERENCE ON NEW ACTUATORS, 26 June 1996 (1996-06-26), XP002095879

Cited by
WO03088292A1

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

DOCDB simple family (publication)
DE 19757024 C1 19990602; EP 0924733 A2 19990623; EP 0924733 A3 20000524

DOCDB simple family (application)
DE 19757024 A 19971220; EP 98121442 A 19981111