



19

11 Publication number:

0 222 602
A3

12

EUROPEAN PATENT APPLICATION

21 Application number: 86308686.4

51 Int. Cl.4: H01H 37/76

22 Date of filing: 07.11.86

30 Priority: 07.11.85 JP 249726/85

71 Applicant: TACHIBANA METAL CO. LTD.
12-banchi, 2-chome, Minamiterakata Kita-dori
Moriguchi Osaka Prefecture(JP)

43 Date of publication of application:
20.05.87 Bulletin 87/21

72 Inventor: Matsutani, Yo
21-go, 6-ban Dejima Kaigandori 2-cho
Sakai-shi Osaka-fu(JP)
Inventor: Okazaki, Tasuku
535-81, Nishi 3-chome Nakayama-cho
Nara Nara Prefecture(JP)

84 Designated Contracting States:
CH DE FR LI NL

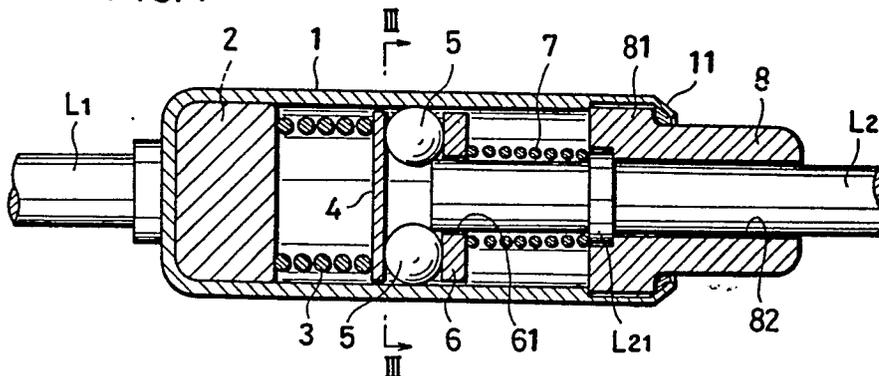
88 Date of deferred publication of the search report:
14.06.89 Bulletin 89/24

74 Representative: Boydell, John Christopher et
al
Stevens, Hewlett & Perkins 5 Quality Court
Chancery Lane
London, WC2A 1HZ(GB)

54 Thermal fuse.

57 A thermal fuse which can be constructed easily and automatically and yet works accurately. It comprises an electric conductive cylindrical case (1) with a lead wire (L1) at the bottom thereof another lead wire (L2) in the case, a fuse alloy piece (2) of fusible alloy and ball contacts (5) under spring pressed condition between the fuse alloy piece and the lead wire in case, thereby forming an electric circuit between the two lead wires. When the fuse alloy piece fuses at the preset temperature, ball contacts (5) under spring pressed condition are released from pressing by the lead wire (L2) and the circuit is opened.

FIG. 1





DOCUMENTS CONSIDERED TO BE RELEVANT

Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int. Cl.4)
X	US-A-3992771 (EMERSON ELECTRIC CO.) * column 4, line 1 - line 56; figures 1, 3 * ---	1	H01H37/76
X	US-A-3781737 (ESSEX INTERNATIONAL INC.) * column 2, line 24 - line 34; figure 1 * -----	1	

TECHNICAL FIELDS SEARCHED (Int. Cl.4)

H01H37/00

The present search report has been drawn up for all claims

Place of search
THE HAGUE

Date of completion of the search
14 APRIL 1989

Examiner
JANSSENS DE VROOM P

CATEGORY OF CITED DOCUMENTS

X : particularly relevant if taken alone
Y : particularly relevant if combined with another document of the same category
A : technological background
O : non-written disclosure
P : intermediate document

T : theory or principle underlying the invention
E : earlier patent document, but published on, or after the filing date
D : document cited in the application
L : document cited for other reasons

.....
& : member of the same patent family, corresponding document