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(71) Applicant: **OMRON TATEISI ELECTRONICS  
CO.**  
**10, Tsuchido-cho Hanazono Ukyo-ku**  
**Kyoto-shi Kyoto-fu(JP)**

(72) Inventor: **Yamashita, Masatsugu c/o Omron**

**Tateisi Electr.Co.**  
**Patent Dept. 20 Igadera Shimokaiinji**  
**Nagaokakyo-shi Kyoto-fu(JP)**  
Inventor: **Maeda, Masayuki c/o Omron Tateisi**  
**Electr. Co.**  
**Patent Dept. 20 Igadera Shimokaiinji**  
**Nagaokakyo-shi Kyoto-fu(JP)**  
Inventor: **Sakakino, Takahiro c/o Omron**  
**Tateisi Electr. Co.**  
**Patent. Dept. 20 Igadera Shimokaiinji**  
**Nagaokakyo-shi Kyoto-fu(JP)**  
Inventor: **Takata, Tsuyoshi c/o Omron Tateisi**  
**Electr. Co.**  
**Patent Dept. 20 Igadera Shimokaiinji**  
**Nagaokakyo-shi Kyoto-fu(JP)**

(74) Representative: **Patentanwälte Grünecker,**  
**Kinkeldey, Stockmair & Partner**  
**Maximilianstrasse 58**  
**W-8000 München 22(DE)**

(54) **Microswitch.**

(57) A microswitch, comprising: a casing consisting of a base casing half (2) and a cover casing half (1); a plurality of terminal pieces (6, 8, 10) received, at their intermediate parts, in slots (4) provided in the base casing half and extending substantially perpendicularly from a surface opposing a corresponding surface of the cover casing half; a contact mechanism accommodated in a cavity (14) in the casing and electrically connected to the terminal pieces; and a push-button member (26) elastically supported by a spring member (16) and projecting out of the casing for actuating the contact mechanism by movement of the push-button member; the

terminal pieces being provided with projections extending from their leading edges, and the slot being provided with a recess for receiving the projection; wherein the slot comprises an external part and an internal part which is narrower than the external part, and a projecting length of the projection is larger than a depth of the internal part. Thereby, the projection may be easily fitted into the recess because the terminal piece is still in the broader part of the slot and can be easily shifted at this stage, but, once the projection is received in the recess, the terminal piece is securely held in position by the narrower part of the slot.

**EP 0 344 800 A3**





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)
Y	US-A-4673778 (R.F. LEWANDOWSKI et al.) * the whole document *	1-3	H01H1/58 H01H13/04 H01H13/10 H01H13/18
A		4-10	
Y	GB-A-1442332 (A.F. BULGIN) * page 1, lines 72-89; figures 1,2 *	2	
Y	US-A-4097706 (J.T. RODDY) * column 3, lines 4-40; figure 1 *	1,3	
A	GB-A-1404310 (OTEHALL LIMITED) * page 2, lines 8-13,19-24; figures 1,2 *	1	
A	SOVIET INVENTIONS ILLUSTRATED Derwent week D23, abstract no. F2657, V03, 15 July 1981; & SU - A - 758286 (KUZBASS RADIO WORKS) 28.08.1980	1	TECHNICAL FIELDS SEARCHED (Int. Cl. 4)
A	US-A-3803342 (J.W. STEARLEY et al.) * column 2, line 10 - column 3, line 20; figures 2,5,6 *	1	H01H13/00 H01H1/00
The present search report has been drawn up for claims 1-10			
Place of search Berlin		Date of completion of the search 13.11.1990	Examiner K. NIELSEN
<p>CATEGORY OF CITED DOCUMENTS .</p> <p>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</p> <p>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 &amp; : member of the same patent family, corresponding document</p>			



## CLAIMS INCURRING FEES

The present European patent application comprised at the time of filing more than ten claims.

- ☐ All claims fees have been paid within the prescribed time limit. The present European search report has been drawn up for all claims.
- ☐ Only part of the claims fees have been paid within the prescribed time limit. The present European search report has been drawn up for the first ten claims and for those claims for which claims fees have been paid, namely claims:
- ☐ No claims fees have been paid within the prescribed time limit. The present European search report has been drawn up for the first ten claims.

## x LACK OF UNITY OF INVENTION

The Search Division considers that the present European patent application does not comply with the requirement of unity of invention and relates to several inventions or groups of inventions,

namely:

- |                  |                           |
|------------------|---------------------------|
| 1. claims: 1-10  | Fixing of terminal pieces |
| 2. claims: 11-13 | Pushbutton                |
| 3. claim: 14     | Lever                     |

- ☐ All further search fees have been paid within the fixed time limit. The present European search report has been drawn up for all claims.
- ☐ Only part of the further search fees have been paid within the fixed time limit. The present European search report has been drawn up for those parts of the European patent application which relate to the inventions in respect of which search fees have been paid, namely claims:
- ☒ None of the further search fees has been paid within the fixed time limit. The present European search report has been drawn up for those parts of the European patent application which relate to the invention first mentioned in the claims.

namely claims: 1-10