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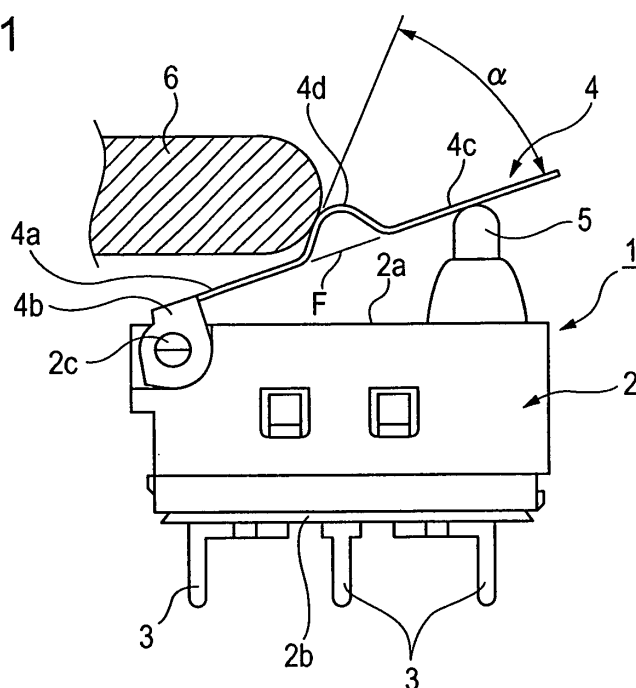
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(54) **Switch device**

(57) An actuator (4) of a switch device (1) is formed with a protrusion (4d) which is a pressing portion which an external action member (6) can operate by pressing, such that moving the action member (6) in one direction parallel to one side wall (2a) of a casing (2) in a state with a supporting portion (4b) being rotatably supported by a turning supporting portion (2c) of the casing (2) causes

the protrusion (4d) to be pressed in the direction toward the one side wall (2a) such that the actuator (4) can turn on the supporting portion (4b) as a point of support, wherein the amount of turning of the protrusion (4d) at the time of turning the actuator (4) downwards by moving the action member (6) in the one direction parallel to the one side wall (2a) is greater than the amount of movement of the action member (6) in the one direction.

**FIG. 1**





European Patent  
Office

# EUROPEAN SEARCH REPORT

Application Number  
EP 06 01 2121

DOCUMENTS CONSIDERED TO BE RELEVANT			
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (IPC)
X	US 2003/226749 A1 (ASA YUKIHIRO) 11 December 2003 (2003-12-11) * the whole document *	1-3	INV. H01H13/18
X	EP 0 415 078 A (MERIT-ELEKTRIK GMBH) 6 March 1991 (1991-03-06) * column 3, lines 35-54; figure 1 *	1	ADD. H01H21/24
X	US 4 514 603 A (STAPLES ET AL) 30 April 1985 (1985-04-30) * column 2, lines 39-48; figure 2 *	1	
A	US 3 725 626 A (KRUSE M,US) 3 April 1973 (1973-04-03) * column 5, lines 34-47; figure 4 *	1	
			TECHNICAL FIELDS SEARCHED (IPC)
			H01H
<p><del>The present search report has been drawn up for all claims</del></p>			
Place of search		Date of completion of the search	Examiner
Munich		20 September 2006	MAEKI-MANTILA, M
<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</p> <p>&amp; : member of the same patent family, corresponding document</p>			

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EPO FORM 1503 03.82 (P04C01)

**CLAIMS INCURRING FEES**

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

- ☐ Only part of the claims 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 claim(s):
- ☐ 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.

**LACK OF UNITY OF INVENTION**

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

see sheet B

- ☐ All further search fees have been paid within the fixed time limit. The present European search report has been drawn up for all claims.
- ☐ As all searchable claims could be searched without effort justifying an additional fee, the Search Division did not invite payment of any additional fee.
- ☐ 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 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 invention first mentioned in the claims, namely claims:

1-3



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

1. claims: 1-3

A switch device wherein the amount of turning of a pressing  
portion is greater than the amount of movement of an action  
member

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2. claims: 4-7

A switch device having a pressing member

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**ANNEX TO THE EUROPEAN SEARCH REPORT  
ON EUROPEAN PATENT APPLICATION NO.**

EP 06 01 2121

This annex lists the patent family members relating to the patent documents cited in the above-mentioned European search report.  
The members are as contained in the European Patent Office EDP file on  
The European Patent Office is in no way liable for these particulars which are merely given for the purpose of information.

20-09-2006

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