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(54) **A switching device**

(57) The present invention is directed to a switching device (100) operable between different setpoints for changing the state of operations of an electrical system comprising a housing (104) with a recess (110) formed on an inner perimeter surface of said housing (104) at any set-point of the switching device (100). The knob (116) is disposed within the housing (104), said knob

(106) includes a latch (108) and a latch triggering mechanism, said latch (108) is selectively releasable from the knob (106) by the latch triggering mechanism to engage into or from the recess (110) for locking or unlocking the switching device (100). The knob (106) further includes a handle (102) adapted for displacement between a resting position and an elevated position for controlling the latch triggering mechanism.

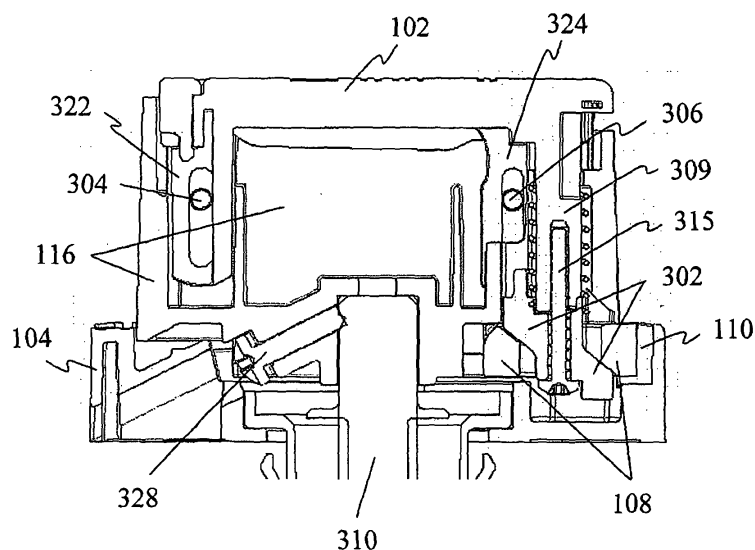


Fig. 3



EUROPEAN SEARCH REPORT

Application Number
EP 10 35 4046

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	JP 2004 355923 A (MATSUSHITA ELECTRIC WORKS LTD) 16 December 2004 (2004-12-16) * paragraph [0029] - paragraph [0037]; figures 8-13 *	1-13	INV. H01H3/20 H01H9/28
X	----- EP 1 729 313 A1 (SCHNEIDER ELECTRIC IND SAS [FR]) 6 December 2006 (2006-12-06) * paragraph [0019] - paragraph [0026]; figures 1a,1b *	1-3,7,13	
A	----- DE 196 03 238 C1 (KLOECKNER MOELLER GMBH [DE]) 10 April 1997 (1997-04-10) * column 3, line 31 - column 5, line 17; figures 1-3 *	4-6,12	
X	----- US 2003/010613 A1 (QUAPIL OLAF [DE]) 16 January 2003 (2003-01-16) * paragraph [0006]; figures 1-8 * * paragraph [0026] - paragraph [0038] *	8-10,12	
A	-----	1-7,11,13	
X	-----	1-3,7,13	
			TECHNICAL FIELDS SEARCHED (IPC)
			H01H
The present search report has been drawn up for all claims			
Place of search Munich		Date of completion of the search 20 July 2012	Examiner Ernst, Uwe
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			

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EPO FORM 1503 03.82 (P04C01)



Application Number

EP 10 35 4046

CLAIMS INCURRING FEES

The present European patent application comprised at the time of filing claims for which payment was due.

☐ Only part of the claims have been paid within the prescribed time limit. The present European search report has been drawn up for those claims for which no payment was due 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 those claims for which no payment was due.

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:

☐ The present supplementary 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 (Rule 164 (1) EPC).



**LACK OF UNITY OF INVENTION
SHEET B**

Application Number

EP 10 35 4046

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: 1-7, 13

Knob having a handle with elevated and resting position

2. claims: 8-12

Latch triggerung mechanism with cam

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

EP 10 35 4046

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
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20-07-2012

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