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(54) **A double-turnplate switch contact device**

(57) The present invention provides a double-turnplate switch contact device comprising a main turnplate, which is mounted on a rotating shaft and is provided with a connecting shaft that is driven to cause said main turnplate to rotate around said rotating shaft, and an ancillary turnplate, which is mounted on said rotating shaft concentrically with said main turnplate and is provided with a limit stop and a switch contact, wherein said main turnplate is also provided with a limit stop which is set in a place corresponding to that of the limit stop of said ancillary turnplate such that, when said main turnplate is driven to rotate around said rotating shaft, the limit stop of said main turnplate presses against the limit stop of said ancillary turnplate and drives said ancillary turnplate to rotate around said rotating shaft, thereby driving said switch contact to turn until it is opened or closed. In this way it is possible to drive said ancillary turnplate to rotate by applying an external force, thereby turning said switch contact to open or close, without changing the state of said main turnplate.

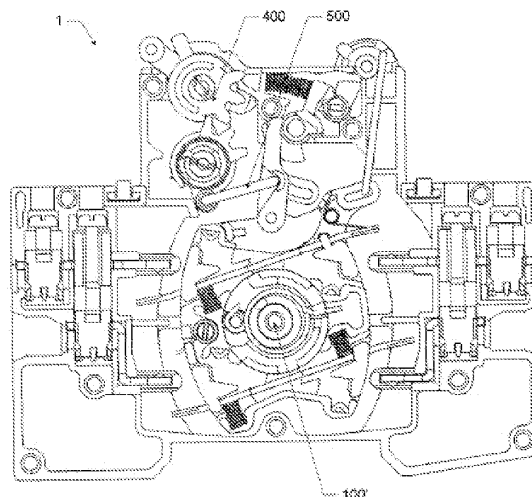


Figure 4



EUROPEAN SEARCH REPORT

Application Number
EP 08 10 4371

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 7 189 935 B1 (HASSAN GIRISH [IN] ET AL) 13 March 2007 (2007-03-13) * column 3, line 31 - line 59 * * column 5, line 20 - line 34; figures 1, 2, 5, 6 *	1-10	INV. H01H9/00 H01H71/46 H01H1/20
A	US 2 885 500 A (WALL DAVID A) 5 May 1959 (1959-05-05) * column 2, line 70 - column 3, line 25 * * column 3, line 45 - column 3, line 63; figures 1-6 *	1-3,8-10	
A	EP 0 667 630 A1 (SIEMENS AG [DE]) 16 August 1995 (1995-08-16) * column 5, line 6 - line 13; figure 4 *	6,7	
A	US 2006/119455 A1 (PARK JIN-YOUNG [KR]) 8 June 2006 (2006-06-08) * the whole document *	1	
The present search report has been drawn up for all claims			TECHNICAL FIELDS SEARCHED (IPC) H01H
Place of search The Hague		Date of completion of the search 12 May 2010	Examiner Starck, Thierry
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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**ANNEX TO THE EUROPEAN SEARCH REPORT
ON EUROPEAN PATENT APPLICATION NO.**

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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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12-05-2010

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
US 7189935	B1	13-03-2007	NONE
US 2885500	A	05-05-1959	NONE
EP 0667630	A1	16-08-1995	AT 200364 T 15-04-2001 DE 59509141 D1 10-05-2001
US 2006119455	A1	08-06-2006	CN 1790582 A 21-06-2006 JP 4167259 B2 15-10-2008 JP 2006164981 A 22-06-2006 KR 20060063489 A 12-06-2006