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(54) **Manual call point for fire alarm systems**

(57) Described herein is a manually operated call point (1) for fire protection systems, comprising a boxed casing (2), a switch (6) and an LED (7) both positioned inside the boxed casing (2), and a moving activation panel (8) which can be pressed by a user so as to translate along an axis (A) perpendicular to the panel (8) itself, in

order to activate the switch (6) and generate an alarm signal; the call point (1) furthermore, comprises a waveguide (9), positioned inside the boxed casing (2), between the LED (7) and the activation panel (8) to confine/direct the light emitted by the LED (7) towards a pre-determined area (11) of the activation panel (8) so as to project a ring of light upon the activation panel itself.

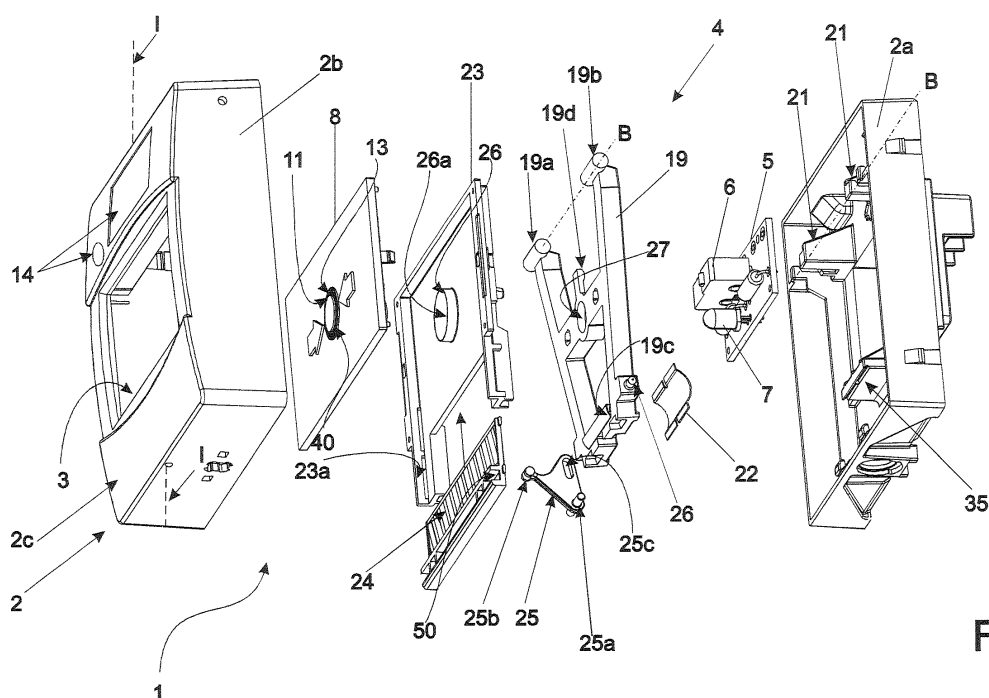


Fig. 1



EUROPEAN SEARCH REPORT

Application Number
EP 09 15 2872

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	DE 198 34 482 A1 (BOSCH GMBH ROBERT [DE]) 5 August 1999 (1999-08-05)	1,6,18	INV. G08B25/12 G08B5/36
Y	* column 1, line 65 - column 2, line 16 *	3-5,	
A	* column 2, line 61 - column 3, line 13 *	12-15 7-9,16, 17	
Y	----- JP 2004 355951 A (SONY CORP) 16 December 2004 (2004-12-16) * abstract; figures 2,4 *	3-5	
Y	----- EP 1 521 225 A1 (SAFETY TECHNOLOGY INTERNAT EUR [GB]) 6 April 2005 (2005-04-06) * paragraphs [0046] - [0048] *	12-15	TECHNICAL FIELDS SEARCHED (IPC) G08B G02B H01H
A	----- RU 2 235 380 C1 (VLASKIN ET AL.) 27 August 2004 (2004-08-27) * abstract *	1-6, 16-18	
A	----- EP 0 592 925 A1 (SIEMENS AG [DE]) 20 April 1994 (1994-04-20) * figures 7a,7b,7c *	12-15	
A	----- US 6 380 846 B1 (HOHLFELDER ERIC W [US]) 30 April 2002 (2002-04-30) * figures 7a,7b,7c *	12-15	
A	----- JP 2006 031505 A (STANLEY ELECTRIC CO LTD) 2 February 2006 (2006-02-02) * figure 7 *	4	
A	----- EP 0 438 670 A2 (SIEMENS AG [DE]) 31 July 1991 (1991-07-31) * abstract; figure 2 *	1	
----- The present search report has been drawn up for all claims			
Place of search The Hague		Date of completion of the search 5 April 2011	Examiner de la Cruz Valera, D
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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Application Number

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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:

1-9, 12-18

☐ 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 09 15 2872

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: 1-9, 16-18

Call point for fire alarm system comprising a waveguide,
signalling details derived from the waveguide construction.

1.1. claims: 6-9

Call point with improved visibility in the dark.

2. claims: 10, 11

Maintenance arrangements for a call point.

3. claims: 12-15

switching mechanism of a call point.

Please note that all inventions mentioned under item 1, although not necessarily linked by a common inventive concept, could be searched without effort justifying an additional fee.

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

EP 09 15 2872

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.

05-04-2011

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
DE 19834482	A1	05-08-1999	NONE	
JP 2004355951	A	16-12-2004	NONE	
EP 1521225	A1	06-04-2005	GB 2406717 A	06-04-2005
RU 2235380	C1	27-08-2004	NONE	
EP 0592925	A1	20-04-1994	AT 162651 T ES 2111684 T3	15-02-1998 16-03-1998
US 6380846	B1	30-04-2002	US 6632108 B1	14-10-2003
JP 2006031505	A	02-02-2006	NONE	
EP 0438670	A2	31-07-1991	DE 9000828 U1 ES 2081901 T3	29-03-1990 16-03-1996