



(12) **EUROPEAN PATENT APPLICATION**

(88) Date of publication A3:
04.12.2019 Bulletin 2019/49

(51) Int Cl.:
G08B 29/12 (2006.01) G08B 25/14 (2006.01)

(43) Date of publication A2:
27.11.2019 Bulletin 2019/48

(21) Application number: **19168761.5**

(22) Date of filing: **11.04.2019**

(84) Designated Contracting States:
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR
Designated Extension States:
BA ME
Designated Validation States:
KH MA MD TN

• **Ainsworth, Mark Douglas**
Courtice L1E 1N2 (CA)

(72) Inventors:
• **Ainsworth, Stephen David**
Whitby L1P 1N6 (CA)
• **Ainsworth, Mark Douglas**
Courtice L1E 1N2 (CA)

(30) Priority: **25.05.2018 CA 3006178**

(74) Representative: **Gulde & Partner**
Patent- und Rechtsanwaltskanzlei mbB
Wallstraße 58/59
10179 Berlin (DE)

(71) Applicants:
• **Ainsworth, Stephen David**
Whitby L1P 1N6 (CA)

(54) **FIRE ALARM TESTING DEVICE AND METHOD**

(57) A fire alarm testing device including an electrical-switch assembly, and internal circuitry. The electrical-switch assembly includes a face-plate with the face-plate including two screw-holes, a control knob, two voltage/resistor measuring points, a plurality of electrical contacts, and two mounting screws. The internal circuitry is mechanically and electrically coupleable to the face-plate, and electrically communicable with a fire alarm system. The control knob also includes four rotatable positions including normal, open, ground, and short such that the fire alarm system is testable by rotating the knob. The electrical-switch assembly is rated for 0-40 volts direct current and is rated up to 350 milliamps and is rated up to 3.5 continuous current-amps. Preferably, electrical-switch assembly is water resistant sealed from dust and debris. Protective caps or plugs are installed where required to prevent foreign objects into the device.

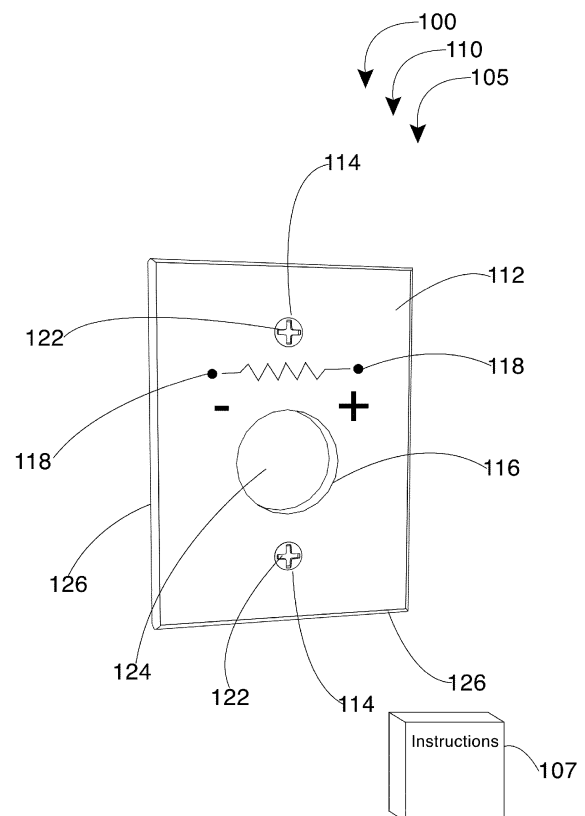


FIG.1



EUROPEAN SEARCH REPORT

Application Number
EP 19 16 8761

5

10

15

20

25

30

35

40

45

50

55

DOCUMENTS CONSIDERED TO BE RELEVANT			
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (IPC)
A	US 2005/139682 A1 (IASSO DANIEL [US] ET AL) 30 June 2005 (2005-06-30) * abstract; figures 1,5,12 * * paragraph [0003] - paragraph [0004] * * paragraph [0007] - paragraph [0010] * * paragraph [0035] * * paragraph [0040] * * paragraph [0046] *	1-20	INV. G08B29/12 G08B25/14
A	US 9 830 806 B2 (TYCO NEW ZEALAND LTD [NZ]) 28 November 2017 (2017-11-28) * abstract; figures 1, 2A, 3 * * column 2, line 5 - line 60 * * column 7, line 53 - column 8, line 4 *	1-20	
			TECHNICAL FIELDS SEARCHED (IPC)
			G08B
The present search report has been drawn up for all claims			
Place of search Munich		Date of completion of the search 16 October 2019	Examiner Wagner, Ulrich
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	

 1
EPO FORM 1503 03.02 (P04C01)

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

EP 19 16 8761

5 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.

16-10-2019

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
US 2005139682 A1	30-06-2005	US 2003057956 A1	27-03-2003
		US 2005139682 A1	30-06-2005
US 9830806 B2	28-11-2017	EP 2960880 A2	30-12-2015
		US 2015348399 A1	03-12-2015