US00D683320S

(12) United States Design Patent

Strother et al.

(10) Patent No.: US D683,320 S
(45) Date of Patent: ** May 28, 2013

(54) **ELECTRICAL CONTROLLER**

(75) Inventors: **Robert B. Strother**, Willoughby Hills, OH (US); **Jonathan L. Sakai**, Fairview Park, OH (US); **Joseph W. Boggs, II**, Carrboro, NC (US); **Kathryn W. Stager**, University Heights, OH (US); **Maria E. Bennett**, Beachwood, OH (US)

(73) Assignee: **NDI Medical LLC**, Cleveland, OH (US)

(**) Term: **14 Years**

(21) Appl. No.: **29/388,993**

(22) Filed: **Apr. 5, 2011**

(51) **LOC (9) Cl.** **14-03**

(52) **U.S. Cl.**
USPC **D13/168**

(58) **Field of Classification Search** . D13/168; D14/191, D14/218; D10/104.1, 106.1; D24/200; 345/169; 463/39; 340/4.3, 4.42, 12.22, 12.23, 12.24, 340/12.29, 12.3, 12.55, 13.2, 13.21, 13.24; 341/176; 604/65, 67; 607/48; 700/17, 65, 83
See application file for complete search history.

(56) **References Cited**

U.S. PATENT DOCUMENTS

D325,912 S * 5/1992 Sakai et al. D14/191
D351,173 S * 10/1994 Yeh D14/218

(Continued)

Primary Examiner — Selina Sikder
(74) *Attorney, Agent, or Firm* — McDonald Hopkins LLC

(57) **CLAIM**

The ornamental design for an electrical controller, as shown and described.

DESCRIPTION

FIG. **1** is a perspective view of a first embodiment according to the present invention.

FIG. **2** is a front elevation view of the embodiment of FIG. **1**.

FIG. **3** is a rear elevation view of the embodiment of FIG. **1**.

FIG. **4** is a bottom plan view of the embodiment of FIG. **1**.

FIG. **5** is a top plan view of the embodiment of FIG. **1**.

FIG. **6** is a right side elevation view of the embodiment of FIG. **1**.

FIG. **7** is a left side elevation view of the embodiment of FIG. **1**.

FIG. **8** is a perspective view of a second embodiment according to the present invention.

FIG. **9** is a front elevation view of the embodiment of FIG. **8**.

FIG. **10** is a rear elevation view of the embodiment of FIG. **8**.

FIG. **11** is a bottom plan view of the embodiment of FIG. **8**.

FIG. **12** is a top plan view of the embodiment of FIG. **8**.

FIG. **13** is a right side elevation view of the embodiment of FIG. **8**.

FIG. **14** is a left side elevation view of the embodiment of FIG. **8**.

FIG. **15** is a perspective view of a third embodiment according to the present invention.

FIG. **16** is a front elevation view of the embodiment of FIG. **15**.

FIG. **17** is a rear elevation view of the embodiment of FIG. **15**.

FIG. **18** is a bottom plan view of the embodiment of FIG. **15**.

FIG. **19** is a top plan view of the embodiment of FIG. **15**.

FIG. **20** is a right side elevation view of the embodiment of FIG. **15**; and,

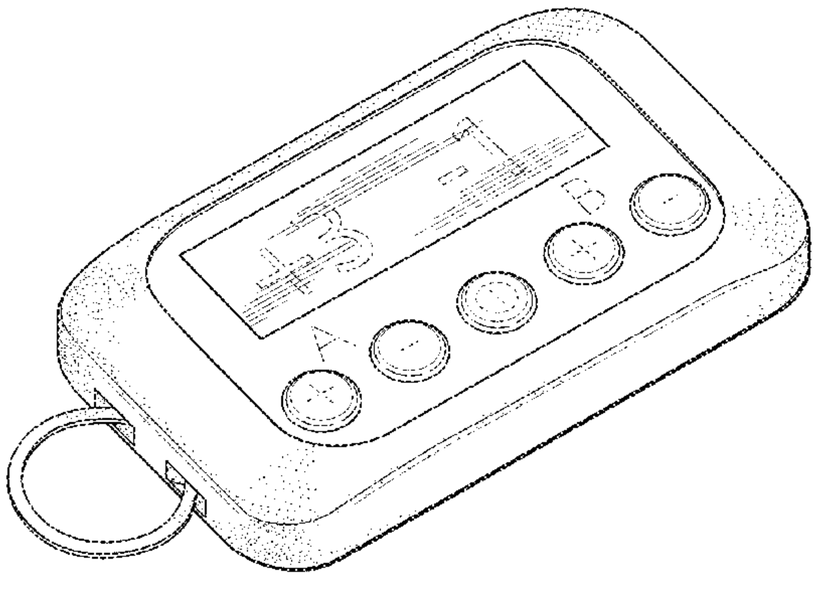
FIG. **21** is a left side elevation view of the embodiment of FIG. **15**.

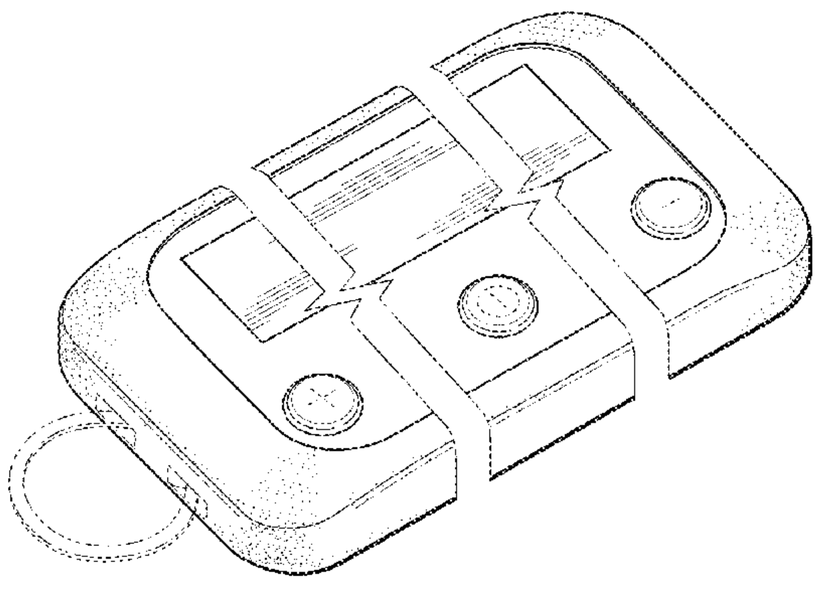
The break lines depicted in FIGS. **15-19** denote that the electrical controller may contain additional sections identical to the middle section shown it being understood that the sections in the middle have a uniform shape and appearance through its length.

The broken lines in the drawing views are for illustrative purposes only and form no part of the claimed design.

The broken lines of a ring and slot in FIGS. **8-12**, **14-19**, and **21** are for environmental purposes only and form no part of the claimed design of the second and third embodiments respectively.

1 Claim, 6 Drawing Sheets





U.S. PATENT DOCUMENTS

D406,107	S *	2/1999	Flick	D13/168
D460,053	S *	7/2002	Choi	D13/168
6,445,955	B1 *	9/2002	Michelson et al.	607/46
6,587,728	B2 *	7/2003	Fang et al.	607/48
6,872,200	B2 *	3/2005	Mann et al.	604/890.1
D526,623	S *	8/2006	Yin et al.	D13/168
D614,587	S *	4/2010	Yodfat et al.	D13/168
D633,910	S *	3/2011	Cacioppo et al.	D14/388
8,029,459	B2 *	10/2011	Rush et al.	604/65
8,078,282	B2 *	12/2011	Nycz	607/51
D671,900	S *	12/2012	Cottrill et al.	D13/168
2003/0055406	A1 *	3/2003	Lebel et al.	604/891.1
2005/0137530	A1 *	6/2005	Campbell et al.	604/131
2005/0267553	A1 *	12/2005	Staunton et al.	607/101
2007/0123952	A1 *	5/2007	Strother et al.	607/48
2008/0312585	A1 *	12/2008	Brukalo et al.	604/67

* cited by examiner

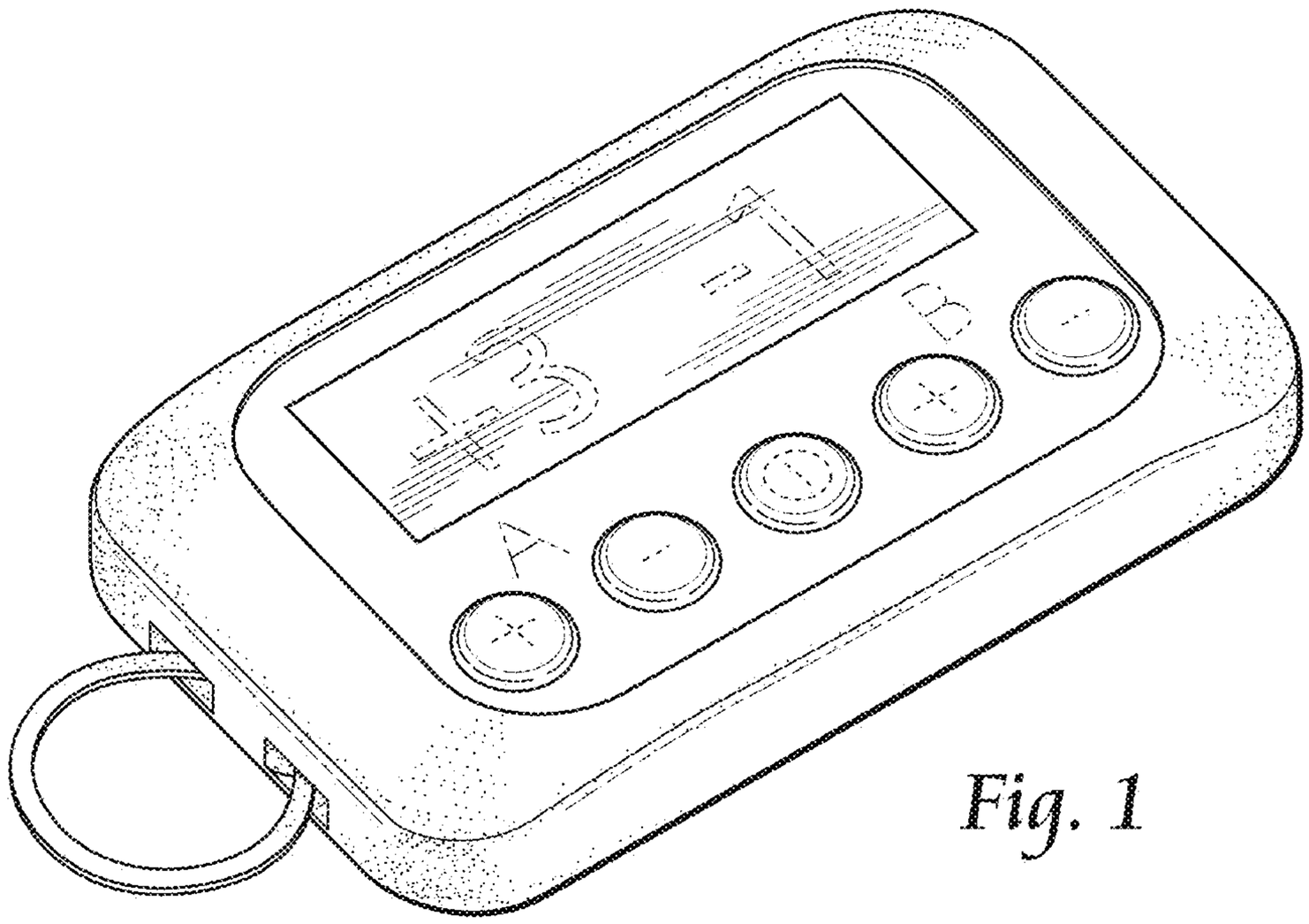


Fig. 1

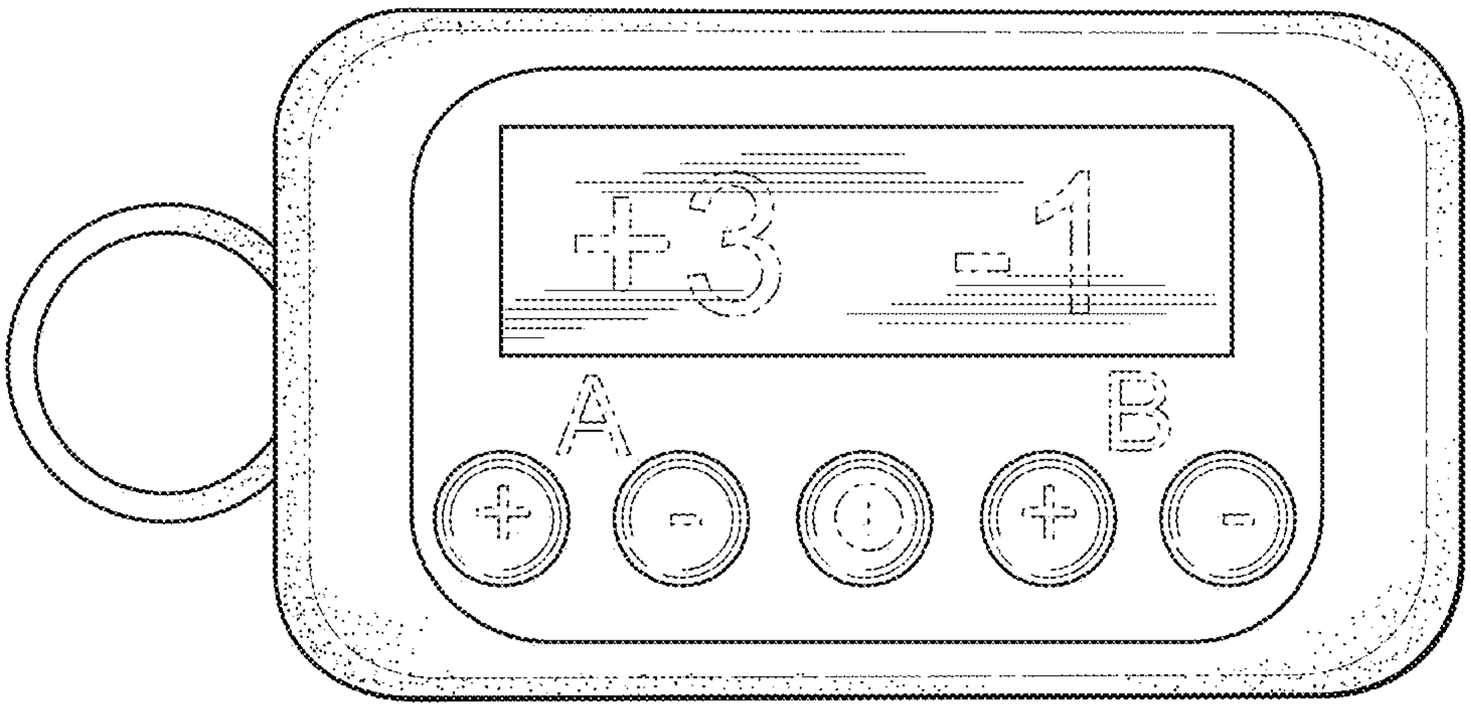


Fig. 2

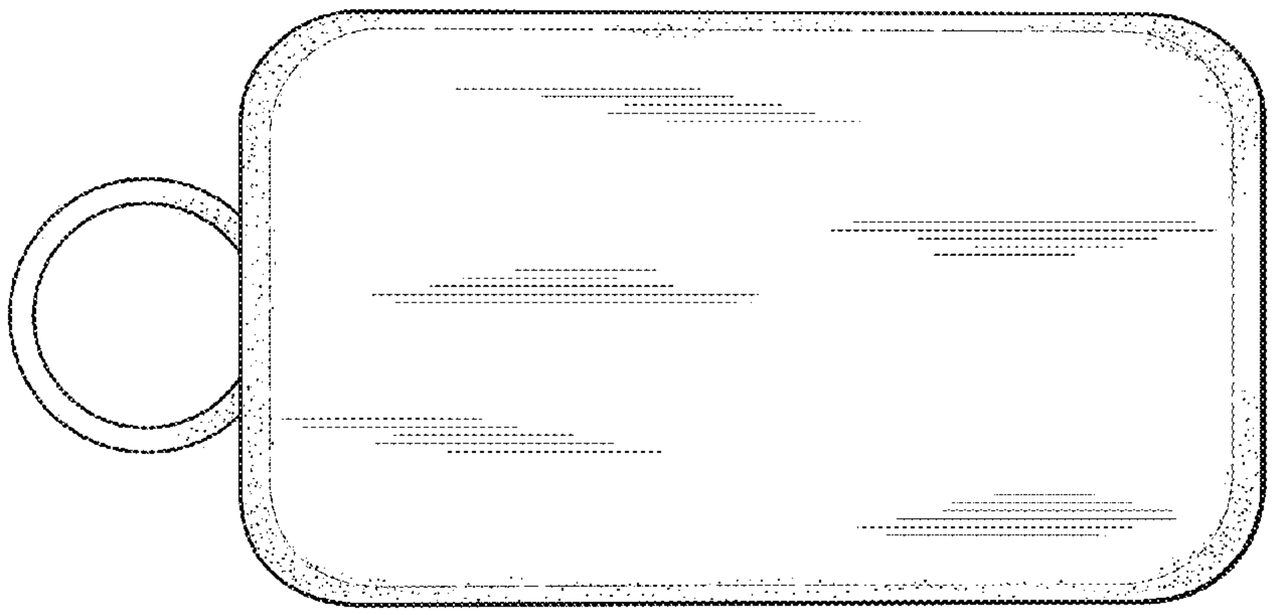


Fig. 3

Fig. 4

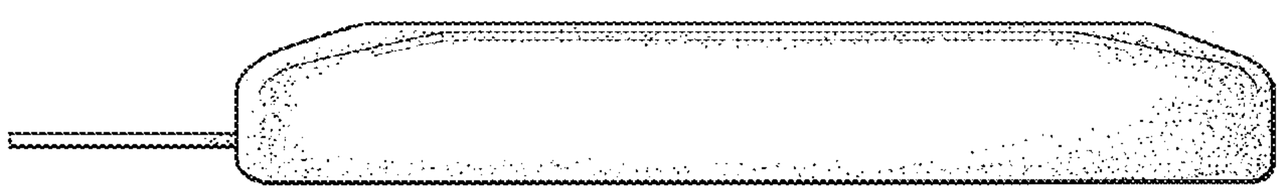
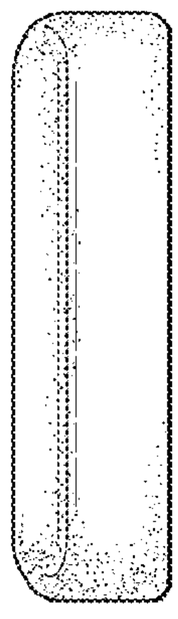


Fig. 5

Fig. 6



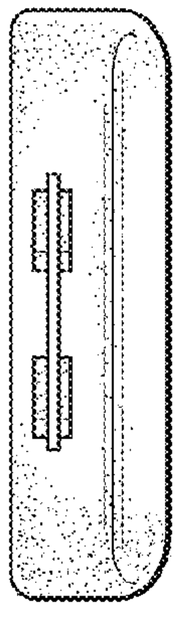


Fig. 7

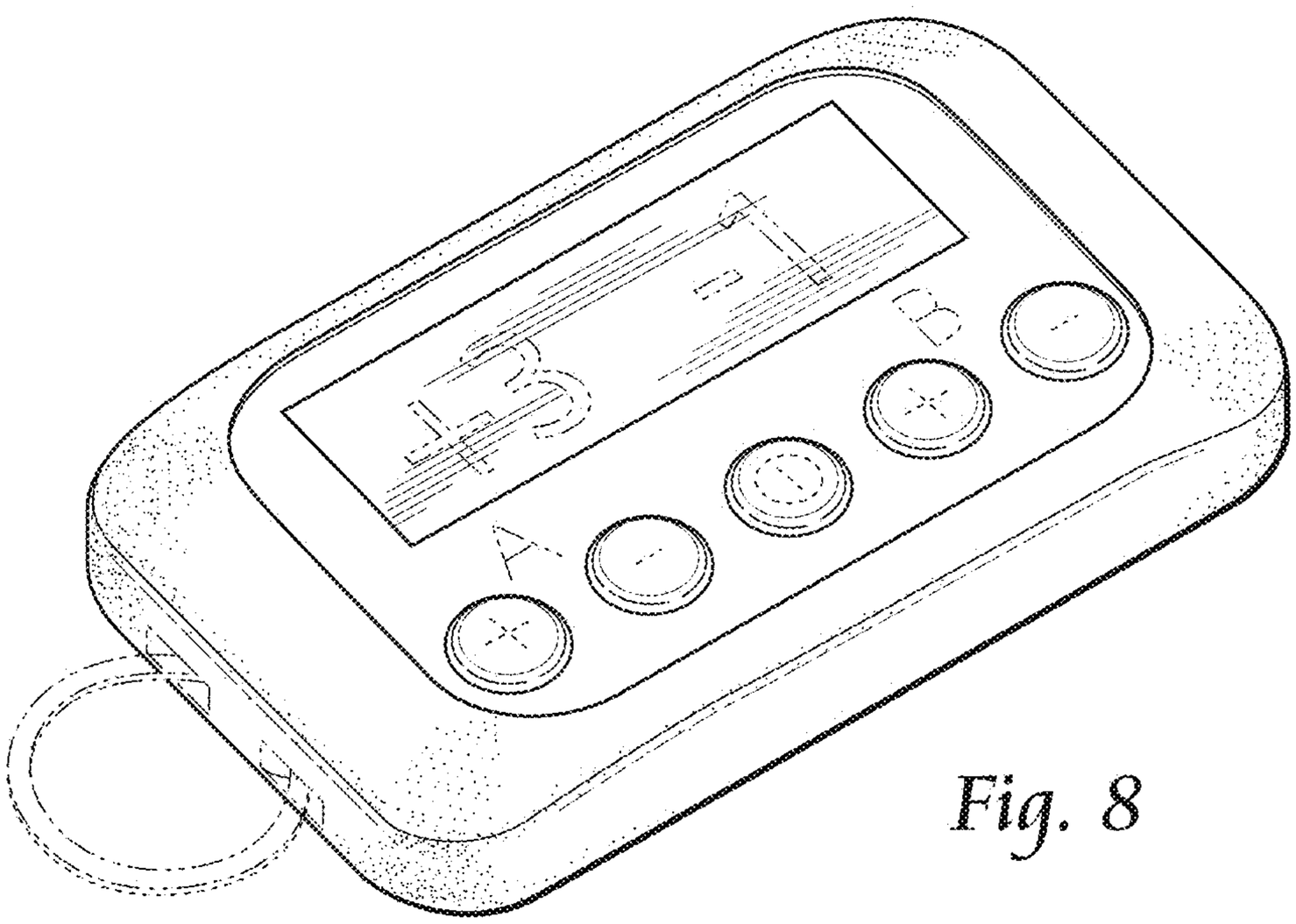


Fig. 8

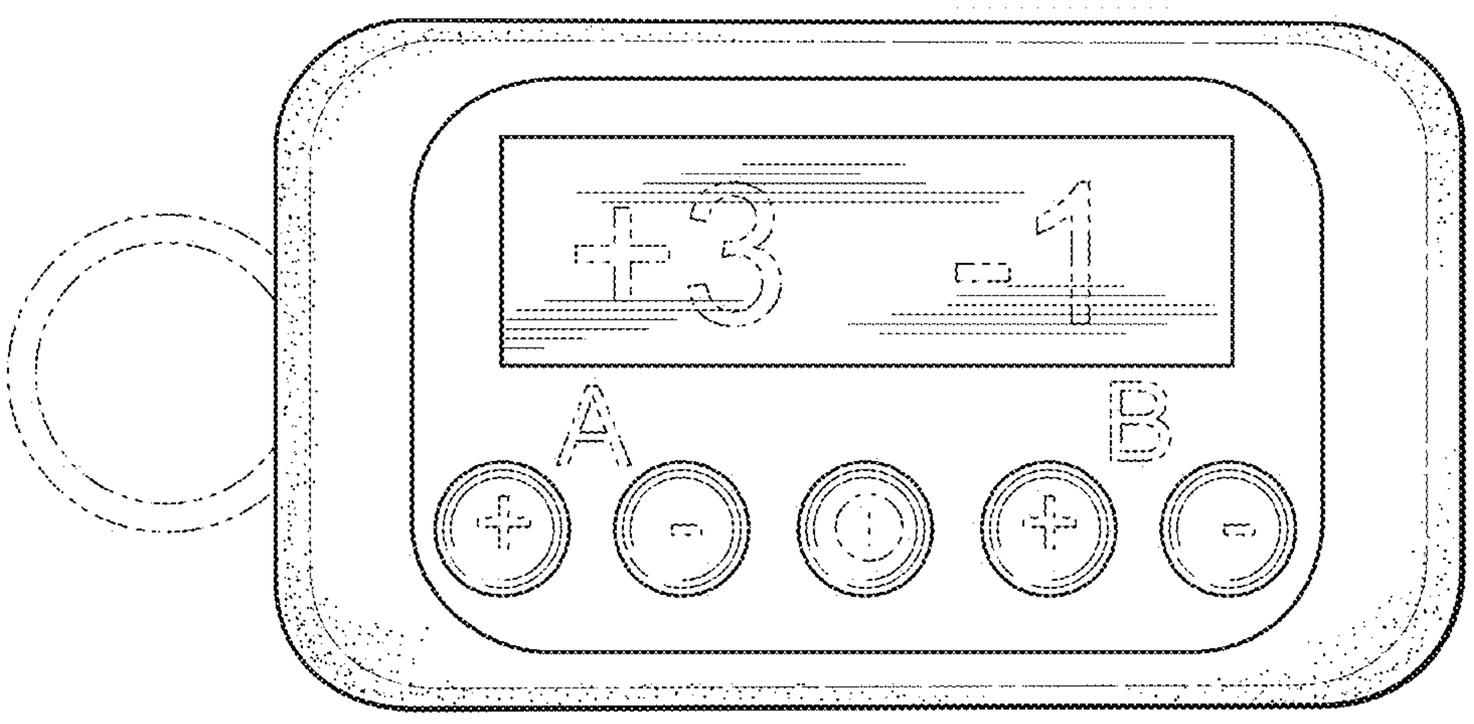


Fig. 9

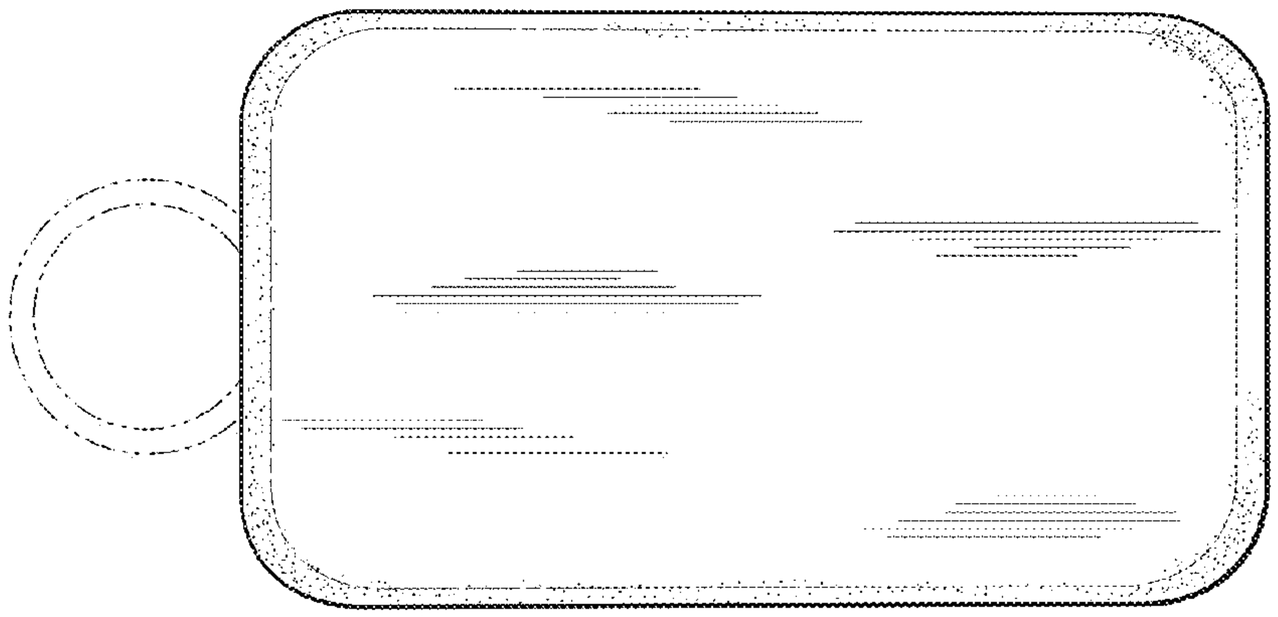
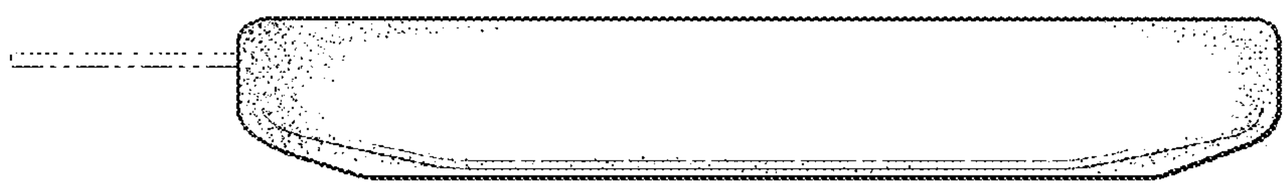


Fig. 10

Fig. 11



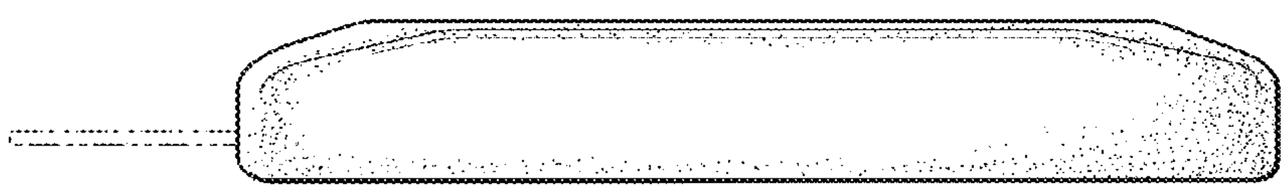
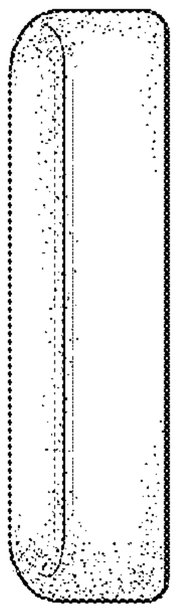


Fig. 12

Fig. 13



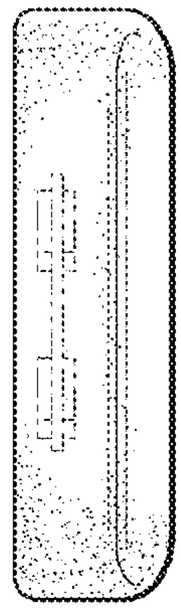


Fig. 14

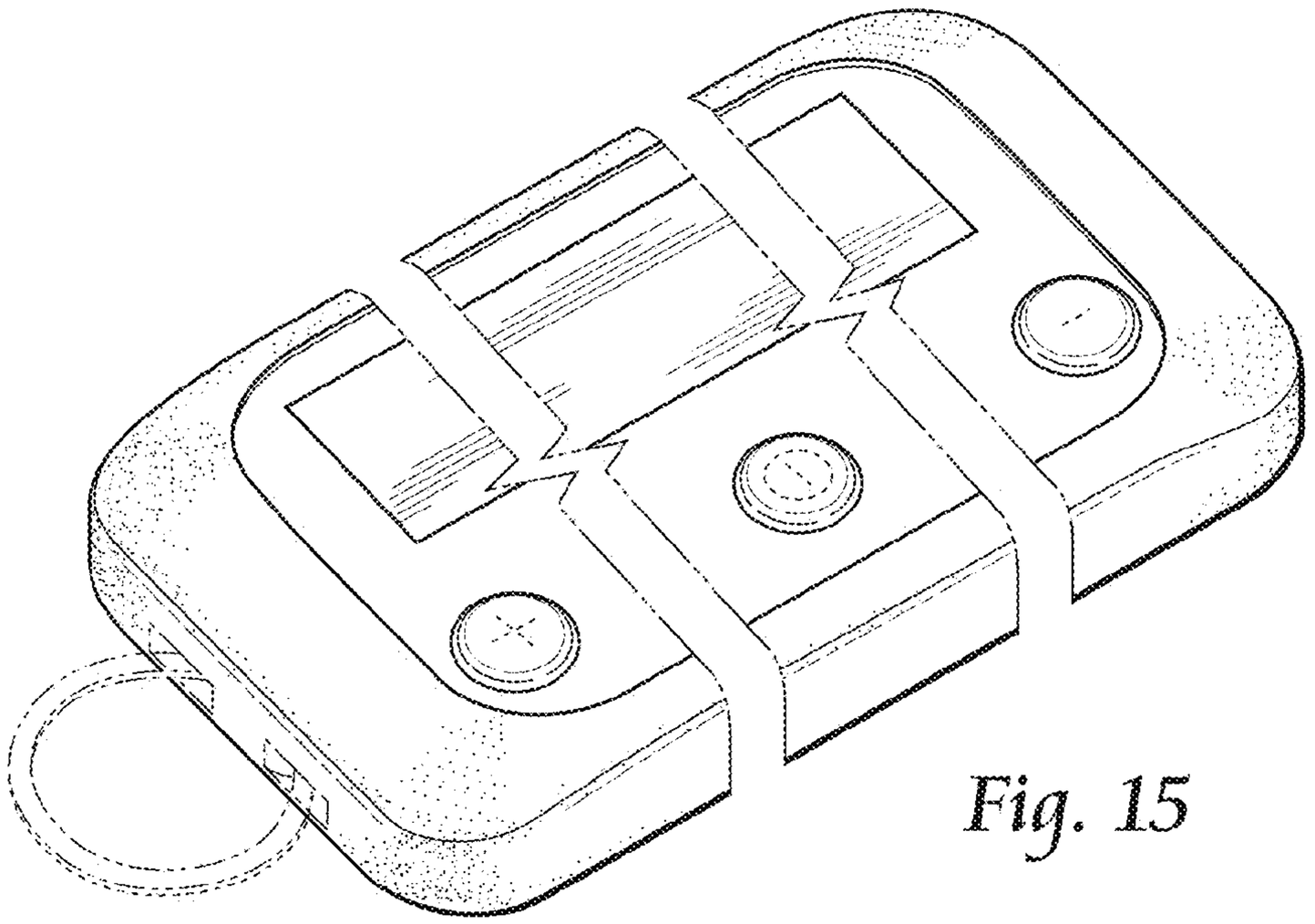


Fig. 15

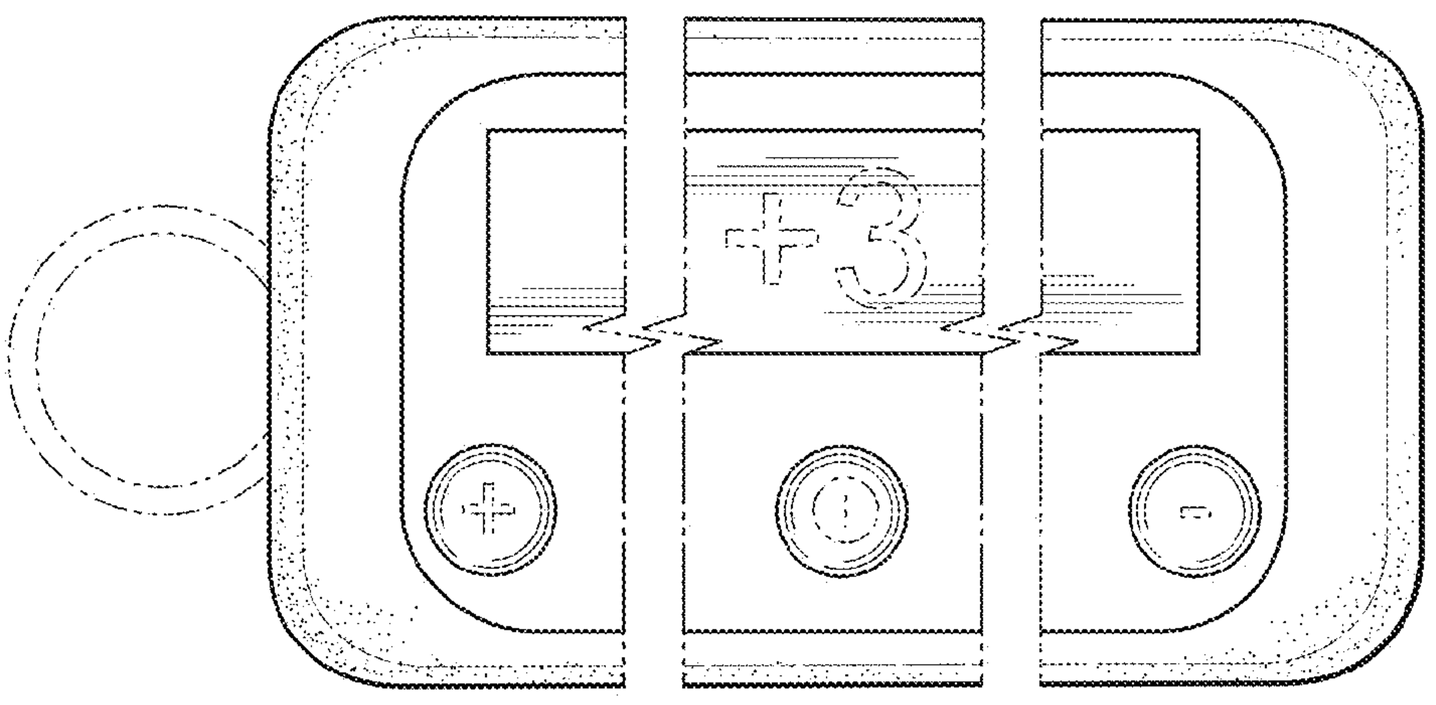


Fig. 16

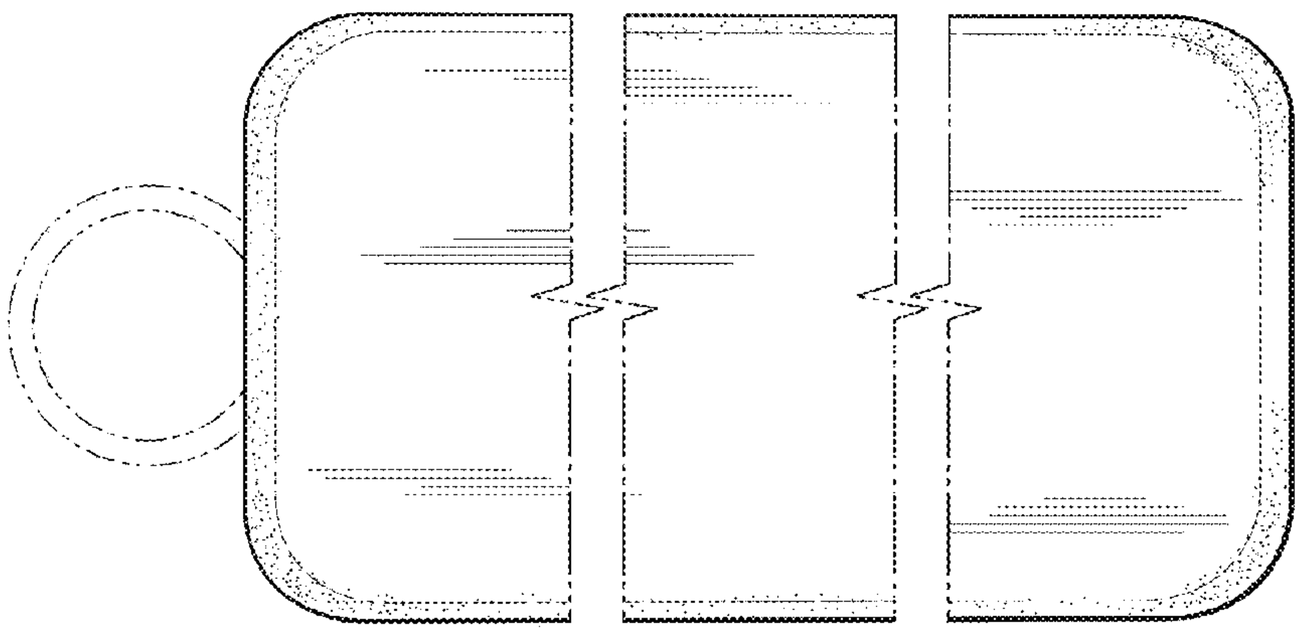
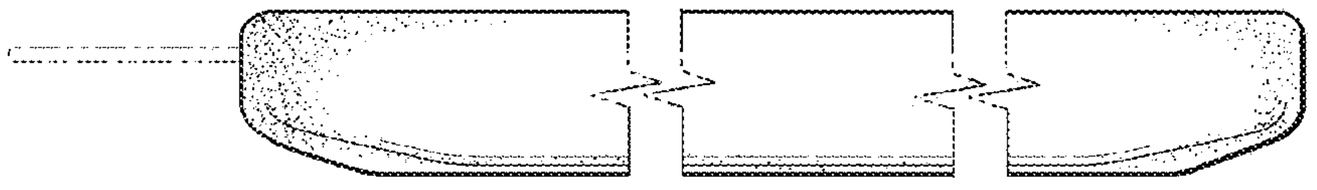


Fig. 17

Fig. 18



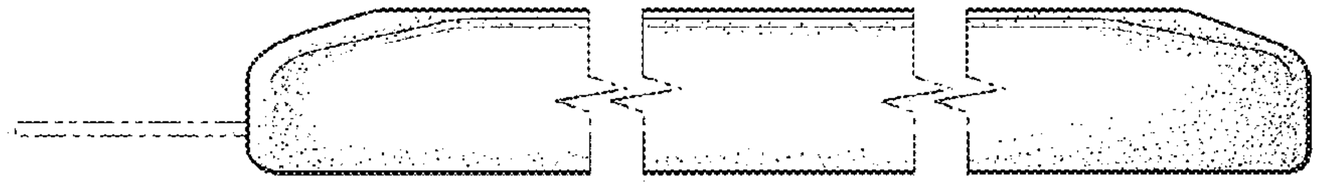
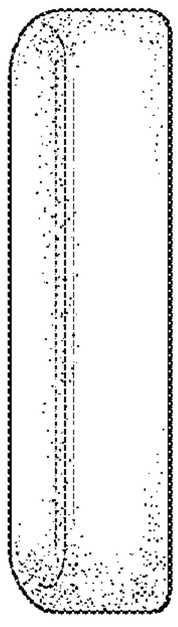


Fig. 19

Fig. 20



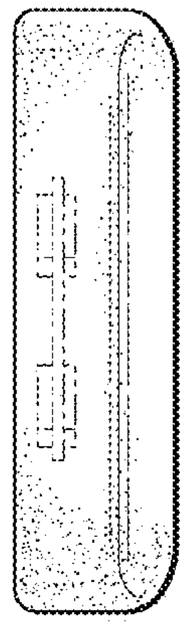


Fig. 21