



US00D712052S

(12) **United States Design Patent**  
**Thomas et al.**

(10) **Patent No.:** **US D712,052 S**  
(45) **Date of Patent:** **\*\* Aug. 26, 2014**

- (54) **PORTABLE TENS DEVICE**
- (71) Applicant: **Modular Therapeutx, LLC**, Soddy Daisy, TN (US)
- (72) Inventors: **Charles M. Thomas**, Hixson, TN (US); **D. Keith Hagy**, Chattanooga, TN (US); **Donald Kay Riker**, Soddy Daisy, TN (US); **Nathan Anderson Pollock**, Suffolk Park (AU); **Brad Peter Ryan**, Graceville (AU); **Lee Anthony Rodezno**, Rowville (AU); **Troy Christiaan Nyssen**, Flemington (AU)
- (73) Assignee: **Modular Therapeutx, LLC**, Soddy Daisy, TN (US)
- (\*\*) Term: **14 Years**
- (21) Appl. No.: **29/484,480**
- (22) Filed: **Mar. 10, 2014**

D469,184	S	*	1/2003	Gerth et al.	.....	D24/200
D469,542	S	*	1/2003	Gerth	.....	D24/200
D474,753	S	*	5/2003	Blum et al.	.....	D13/168
6,584,359	B1	*	6/2003	Motoi	.....	607/76
D477,880	S	*	7/2003	Moretto	.....	D24/200
D510,075	S	*	9/2005	Arz et al.	.....	D13/168
D511,213	S	*	11/2005	Hasegawa	.....	D24/200
D597,211	S	*	7/2009	Ewing et al.	.....	D24/187
D609,706	S	*	2/2010	Helt et al.	.....	D14/426
D624,593	S	*	9/2010	Prendiville et al.	.....	D19/62
D645,968	S	*	9/2011	Kasabach et al.	.....	D24/186
D698,738	S	*	2/2014	Baggio et al.	.....	D13/168
D700,342	S	*	2/2014	Hiramura	.....	D24/169

(Continued)

*Primary Examiner* — Eric Goodman

*Assistant Examiner* — John Reickel

(74) *Attorney, Agent, or Firm* — Chambliss, Bahner & Stophel, P.C.

(57) **CLAIM**

The ornamental design for a portable tens device, as shown and described.

**DESCRIPTION**

FIG. 1 is a top perspective view of the portable tens device of our new design.

FIG. 2 is a bottom perspective view of the portable tens device of our new design.

FIG. 3 is a front view of the portable tens device of our new design.

FIG. 4 is a rear view of the portable tens device of our new design.

FIG. 5 is a right side view of the portable tens device of our new design.

FIG. 6 is a left side view of the portable tens device of our new design.

FIG. 7 is a top view of the portable tens device of our new design; and,

FIG. 8 is a bottom view of the portable tens device of our new design.

**Related U.S. Application Data**

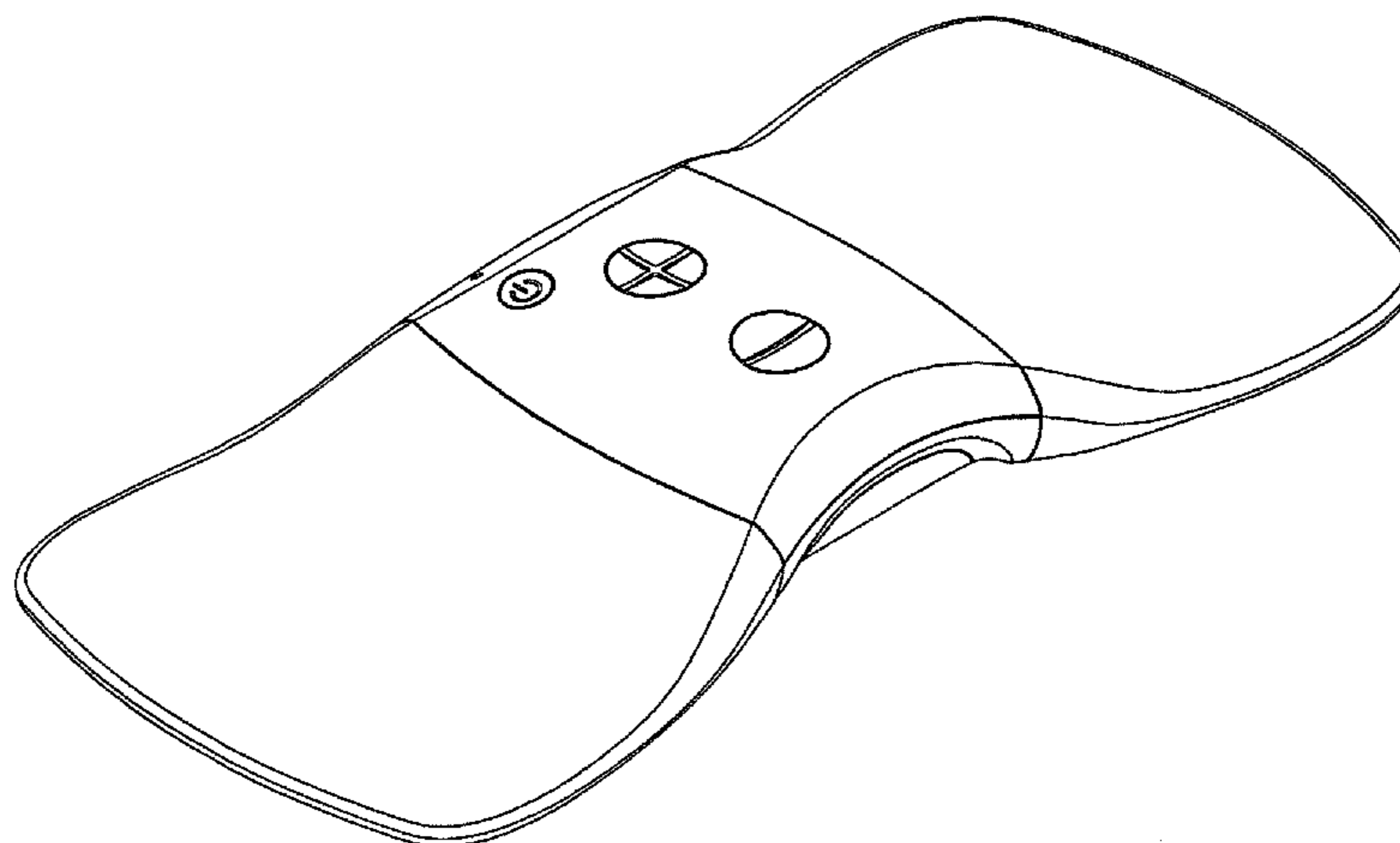
- (62) Division of application No. 29/395,407, filed on Jan. 13, 2012, now Pat. No. Des. 704,848.
- (51) **LOC (10) Cl.** ..... **24-01**
- (52) **U.S. Cl.**  
USPC ..... **D24/200**
- (58) **Field of Classification Search**  
USPC ..... D24/169, 186, 200, 209–210; D10/78, D10/81; D13/168; 340/12.22; 607/48  
See application file for complete search history.

(56) **References Cited**

**U.S. PATENT DOCUMENTS**

D331,201	S	*	11/1992	Koch	.....	D10/65
5,607,454	A	*	3/1997	Cameron et al.	.....	607/5
D463,436	S	*	9/2002	Dow et al.	.....	D14/426
D467,003	S	*	12/2002	Gerth	.....	D24/200

**1 Claim, 8 Drawing Sheets**



(56)

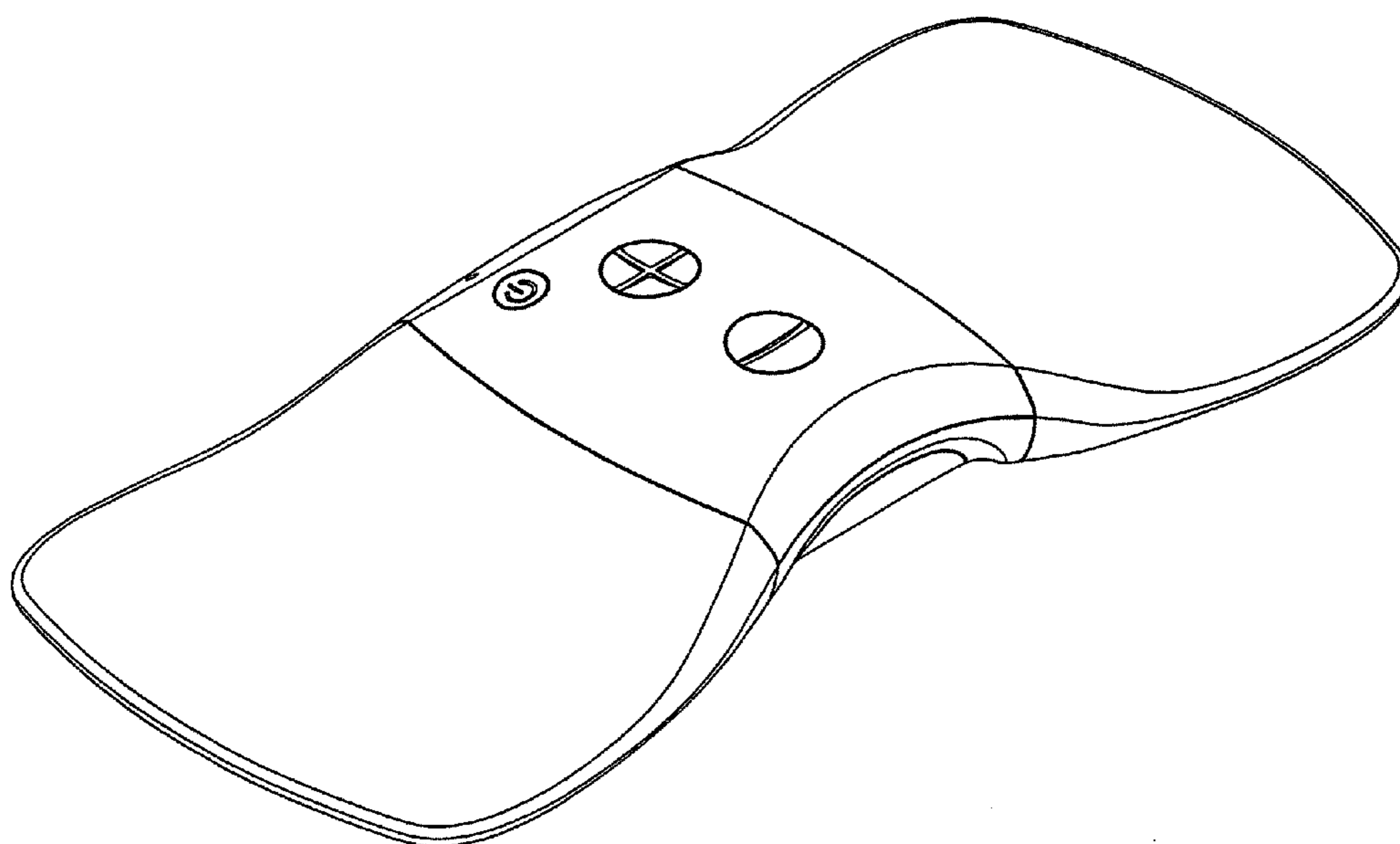
**References Cited**

U.S. PATENT DOCUMENTS

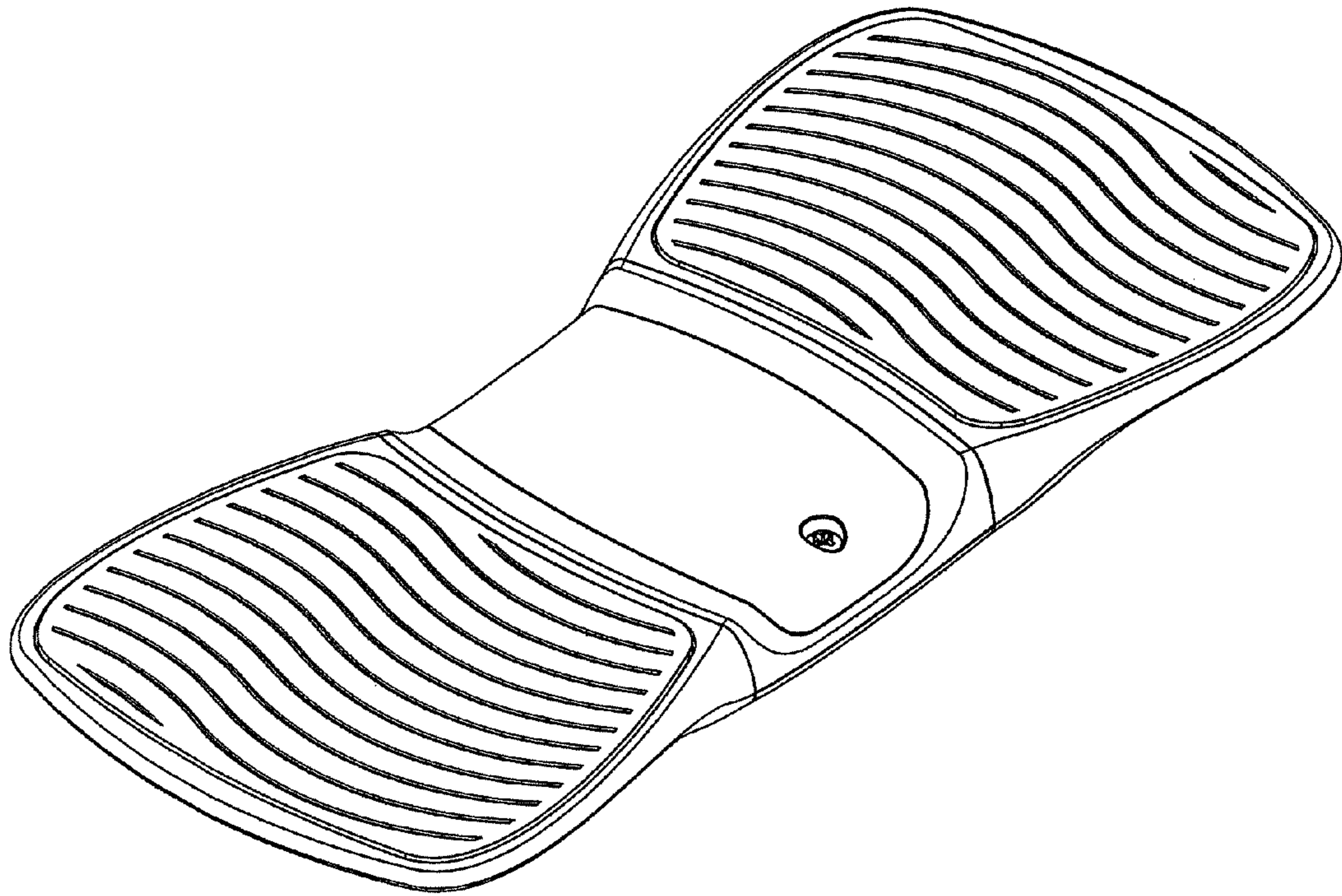
D701,610 S \* 3/2014 Thomas et al. .... D24/200  
D702,355 S \* 4/2014 Laplante et al. .... D24/186  
D702,851 S \* 4/2014 Lee et al. .... D24/209

D704,848 S \* 5/2014 Thomas et al. .... D24/200  
2007/0123952 A1 \* 5/2007 Strother et al. .... 607/48  
2009/0228068 A1 \* 9/2009 Buhlmann et al. .... 607/48  
2009/0240304 A1 \* 9/2009 Blum et al. .... 607/48  
2012/0116478 A1 \* 5/2012 Buhlmann et al. .... 607/48

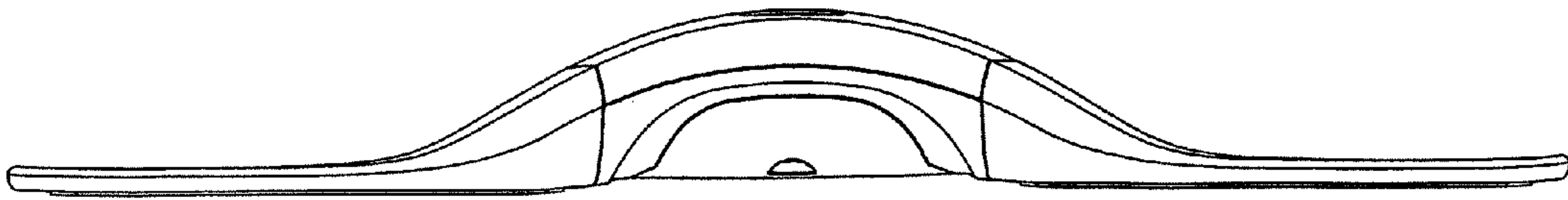
\* cited by examiner



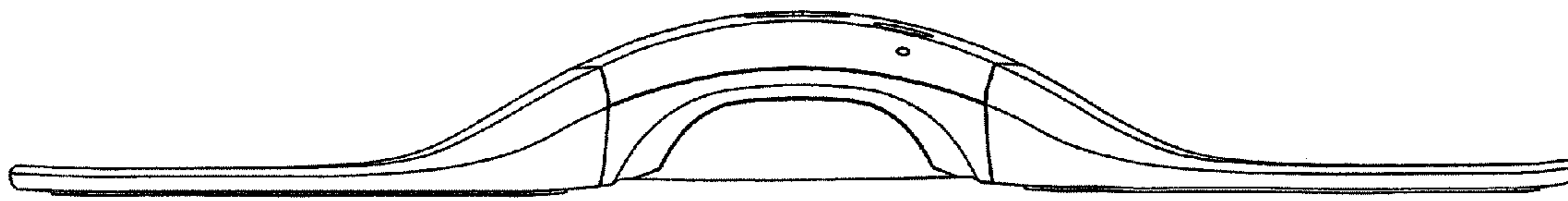
**FIGURE 1**



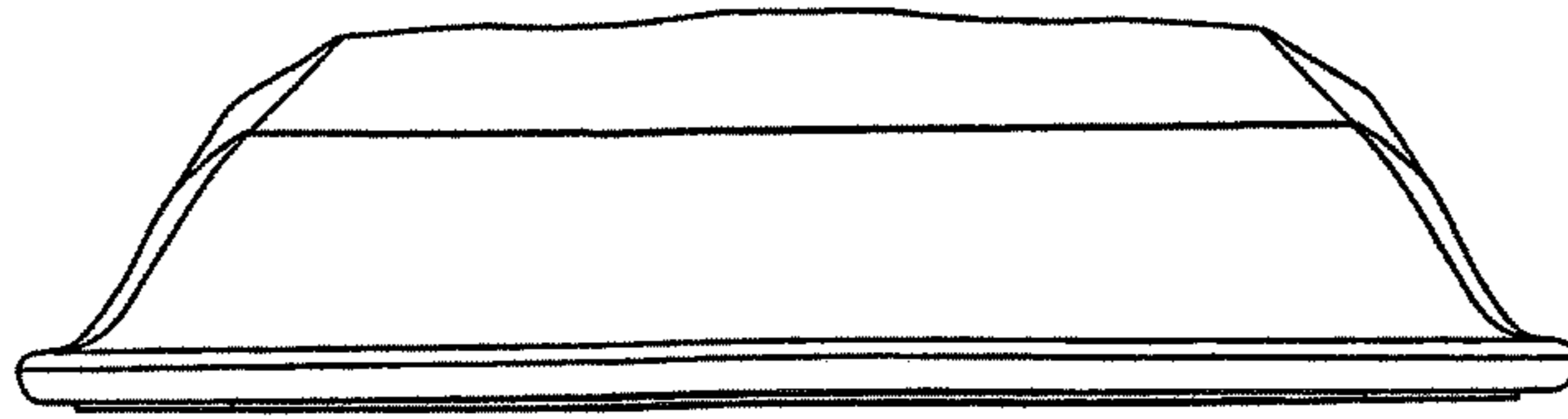
**FIGURE 2**



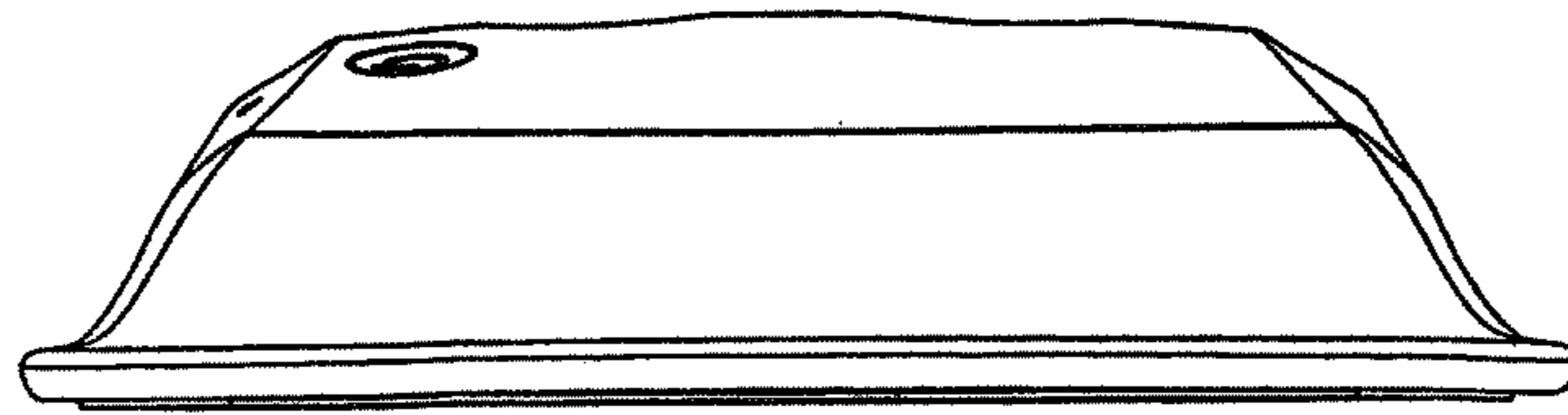
**FIGURE 3**



**FIGURE 4**

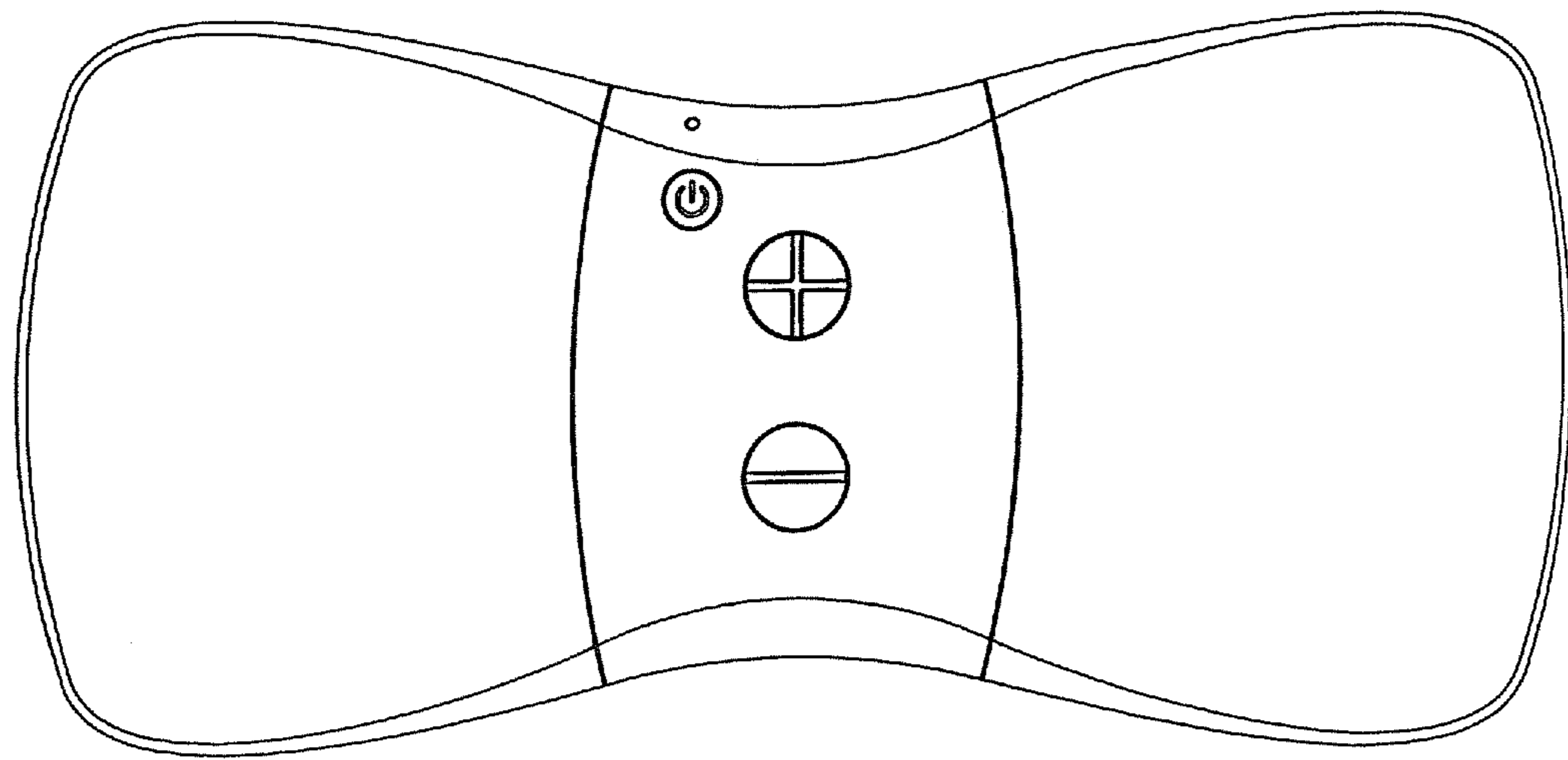


**FIGURE 5**

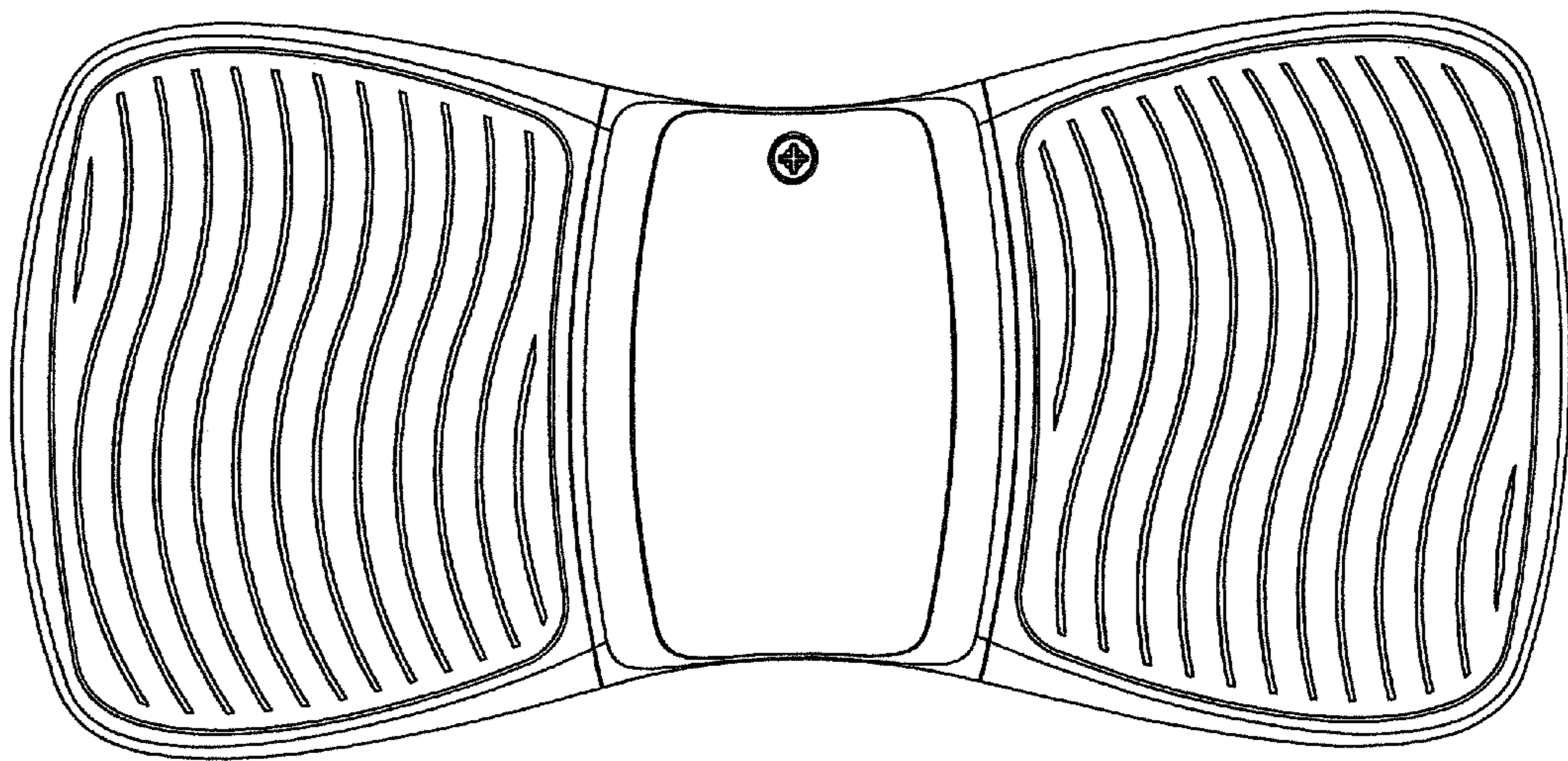


**FIGURE 6**





**FIGURE 7**



**FIGURE 8**