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(12) **United States Design Patent** (10) **Patent No.:** **US D932,638 S**
McDonough et al. (45) **Date of Patent:** **** Oct. 5, 2021**

(54) **ELECTRODE PAD FOR TENS OR EMS DEVICE**

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(71) Applicants: **Johnson & Johnson Consumer Inc.**, Skillman, NJ (US); **Umeheal Ltd.**, Guangdong (CN)

(57) **CLAIM**

The ornamental design for an electrode pad for TENS or EMS device, as shown and described.

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DESCRIPTION

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FIG. 1 is a perspective view of an electrode pad for TENS or EMS device;

FIG. 2 is a top view of the electrode pad for TENS or EMS device of FIG. 1;

FIG. 3 is a bottom view of the electrode pad for TENS or EMS device of FIG. 1;

FIG. 4 is a side view, in elevation, of one side of the electrode pad for TENS or EMS device of FIG. 1;

FIG. 5 is a side view, in elevation, of the other side of the electrode pad for TENS or EMS device of FIG. 1;

FIG. 6 is a side view, in elevation, of one side of the electrode pad for TENS or EMS device of FIG. 1;

FIG. 7 is a side view, in elevation, of the other side of the electrode pad for TENS or EMS device of FIG. 1;

FIG. 8 is a perspective view of the electrode pad for TENS or EMS device.

FIG. 9 is a perspective view of another embodiment of an electrode pad for TENS or EMS device;

FIG. 10 is a top view of the electrode pad for TENS or EMS device of FIG. 9;

FIG. 11 is a bottom view of the electrode pad for TENS or EMS device of FIG. 9;

FIG. 12 is a side view, in elevation, of one side of the electrode pad for TENS or EMS device of FIG. 9;

FIG. 13 is a side view, in elevation, of the other side of the electrode pad for TENS or EMS device of FIG. 9;

FIG. 14 is a side view, in elevation, of one side of the electrode pad for TENS or EMS device of FIG. 9;

FIG. 15 is a side view, in elevation, of the other side of the electrode pad for TENS or EMS device of FIG. 9; and,

FIG. 16 is a perspective view of another embodiment of the electrode pad for TENS or EMS device.

The broken lines depicting a TENS or EMS device in FIGS. 8 and 16 represent an environment and form no part of the claimed design. The broken lines depicting a pair of snaps in

(**) Term: **15 Years**

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(51) **LOC (13) Cl.** **28-03**

(52) **U.S. Cl.**
USPC **D24/200; D24/187**

(58) **Field of Classification Search**
USPC D24/107, 164, 165–169, 186, 187, 200;
D10/75, 70, 98; D14/341, 344
(Continued)

(56) **References Cited**

U.S. PATENT DOCUMENTS

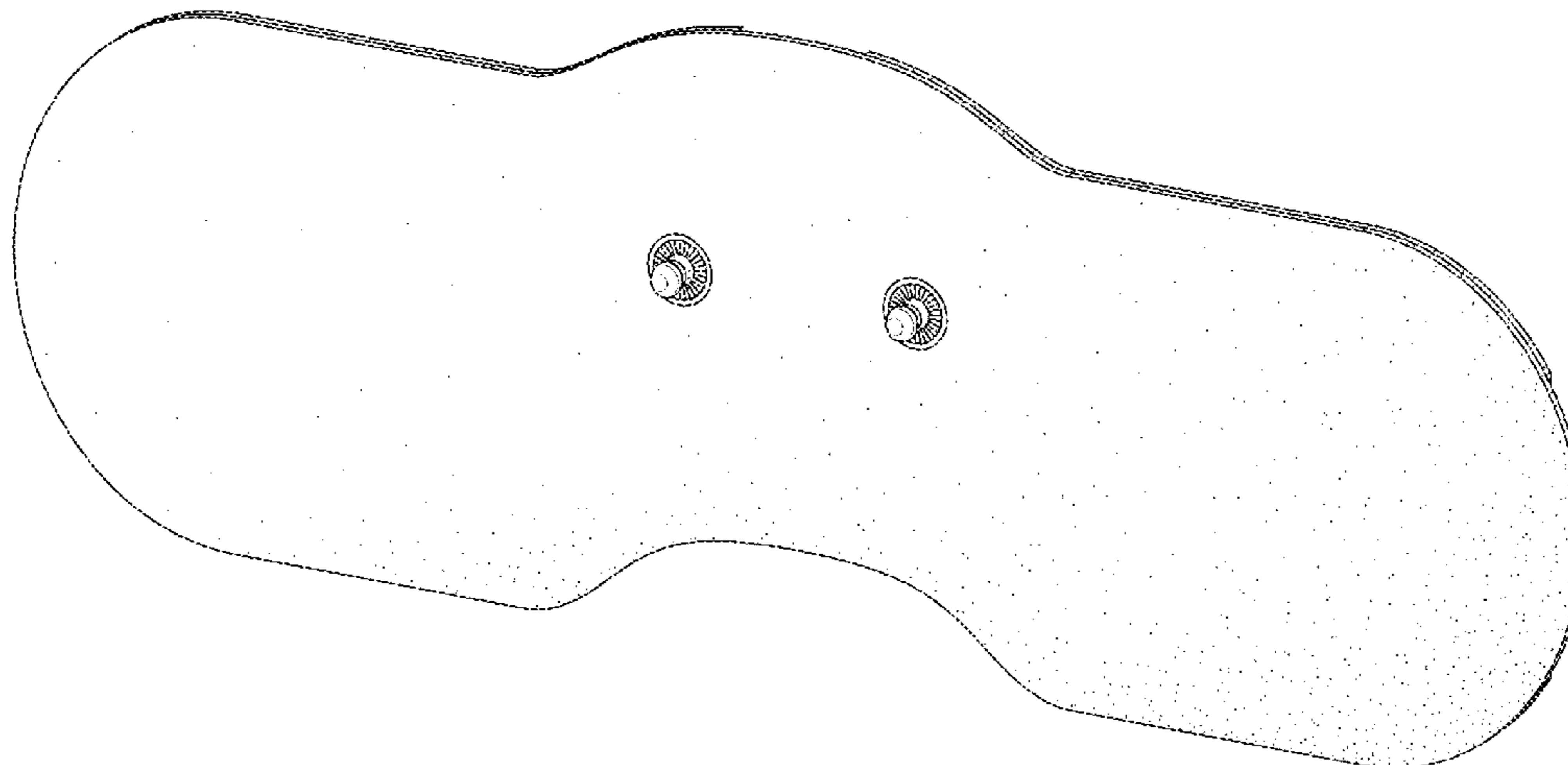
- 6,445,955 B1 * 9/2002 Michelson A61N 1/0456
607/46
- D598,556 S 8/2009 Chen
(Continued)

OTHER PUBLICATIONS

U.S. Appl. No. 29/729,963, filed Mar. 31, 2020, McDonough et al., Pending.

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FIGS. 9, 10, and 12-15 show portions of the electrode pad that form no part of the claimed design.

1 Claim, 12 Drawing Sheets

(58) Field of Classification Search

CPC .. A61N 1/36; A61N 1/36014; A61N 1/36021;
 A61N 1/36057; A61N 1/3605; A61N
 1/36003; A61N 1/37211; A61N 1/37235;
 A61N 1/3787; A61N 1/322; A61N
 1/0404; A61N 1/0452; A61N 1/0456;
 A61N 1/048

See application file for complete search history.

(56)

References Cited

U.S. PATENT DOCUMENTS

D634,017 S	3/2011	Tokumoto et al.	
D658,304 S	4/2012	Rundle et al.	
D663,431 S	7/2012	Parker, III et al.	
D663,849 S	7/2012	McGusty et al.	
D723,705 S	3/2015	Mininger et al.	
9,162,045 B2 *	10/2015	Jones	A61N 1/0488
D748,275 S	1/2016	Vosch et al.	
D764,672 S	8/2016	Vosch et al.	
D810,308 S	2/2018	Lind et al.	
D811,610 S	2/2018	Abel et al.	

D811,611 S	2/2018	Lind et al.	
D811,615 S	2/2018	Lind et al.	
D812,236 S	3/2018	Burke et al.	
D821,587 S	6/2018	Vosch et al.	
D821,588 S	6/2018	Vosch et al.	
D831,830 S	10/2018	Lemons et al.	
D852,965 S *	7/2019	Bahney	A61B 5/6833 D24/186
D874,659 S *	2/2020	Wetmore	D24/187
D893,033 S *	8/2020	Ye	D24/167
D905,253 S *	12/2020	Hubelbank	D24/168
D907,213 S *	1/2021	Vosch	D24/187
2004/0147988 A1 *	7/2004	Stephens	A61F 7/02 607/108
2013/0226275 A1 *	8/2013	Duncan	A61N 1/0492 607/152

OTHER PUBLICATIONS

U.S. Appl. No. 29/729,973, filed Mar. 31, 2020, McDonough et al., Pending.
 U.S. Appl. No. 29/729,980, filed Mar. 31, 2020, McDonough et al., Pending.
 U.S. Appl. No. 29/729,983, filed Mar. 31, 2020, McDonough et al., Pending.
 U.S. Appl. No. 29/729,984, filed Mar. 31, 2020, McDonough et al., Pending.
 U.S. Appl. No. 29/729,989, filed Mar. 31, 2020, McDonough et al., Pending.

* cited by examiner

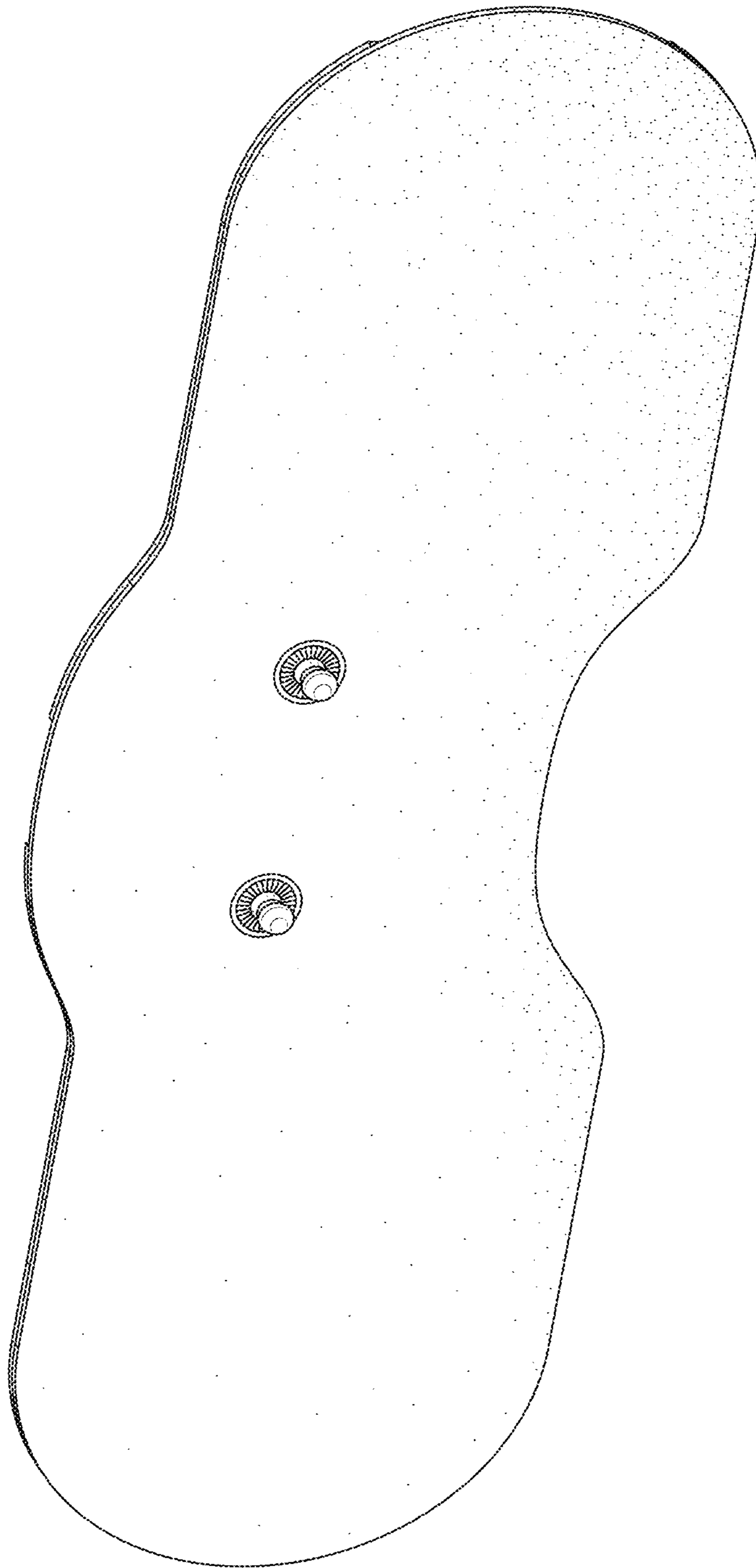


FIG. 1

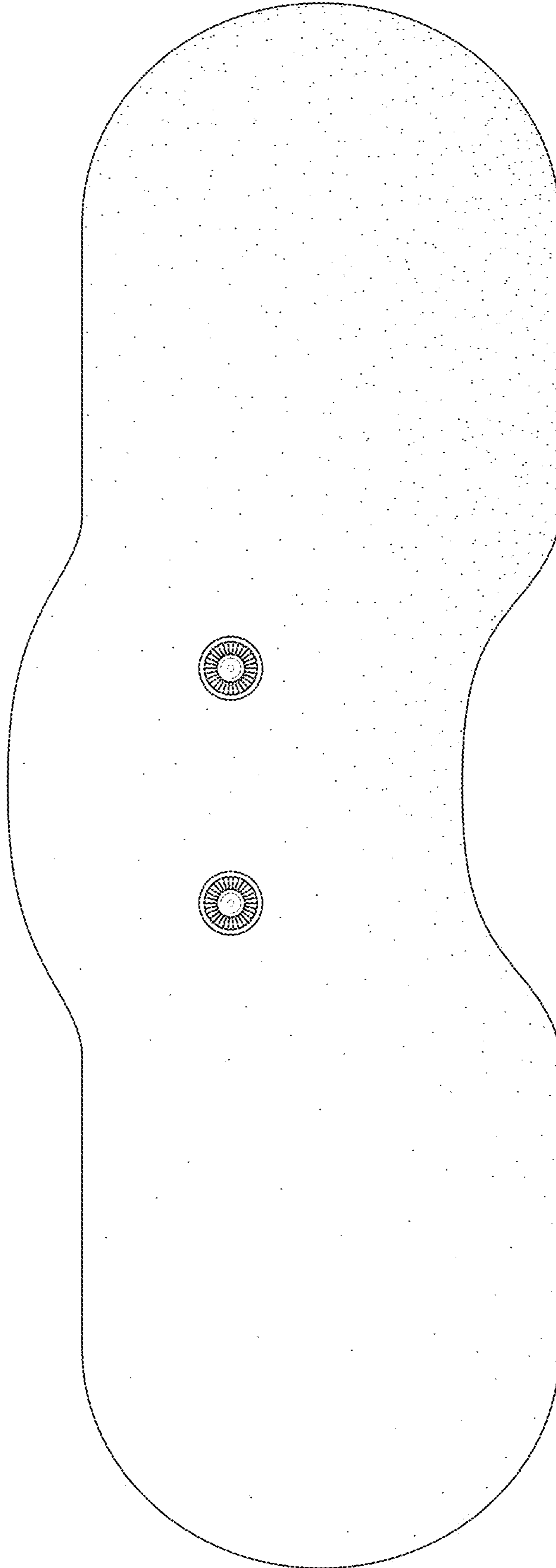


FIG. 2

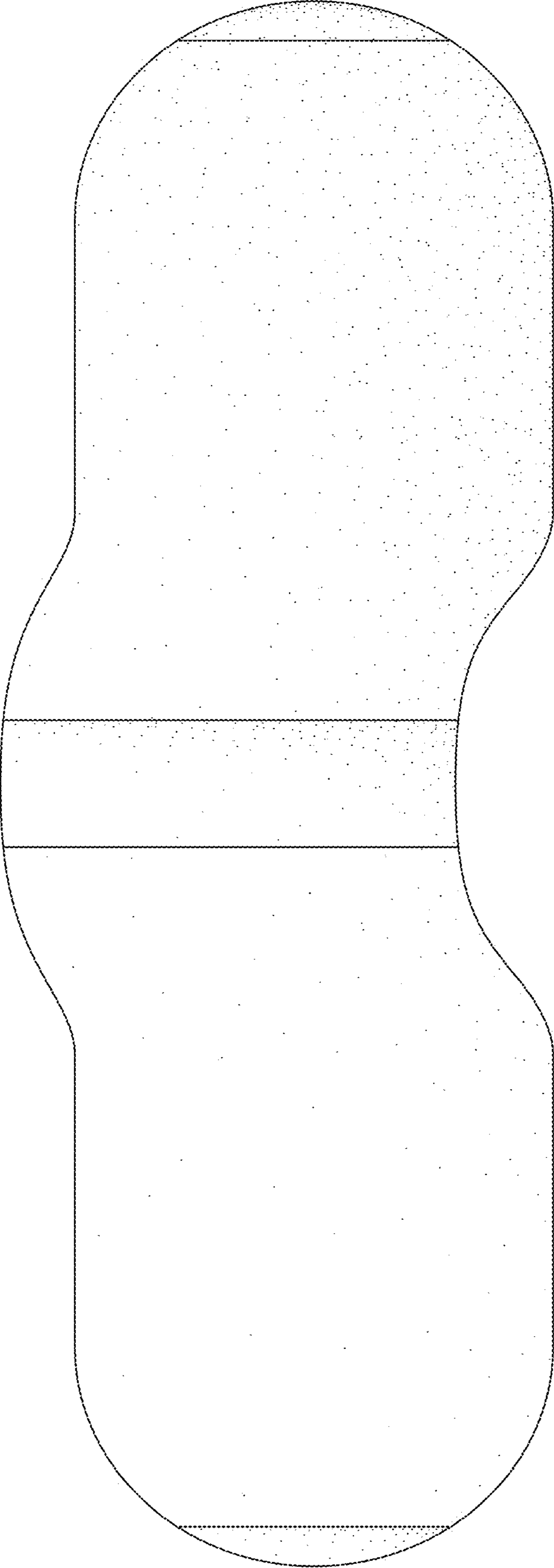


FIG. 3



FIG. 4



FIG. 5

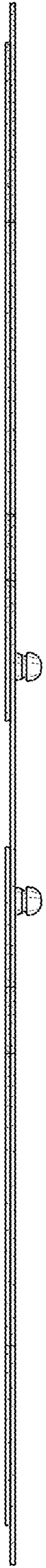


FIG. 6

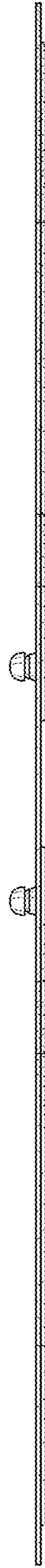


FIG. 7

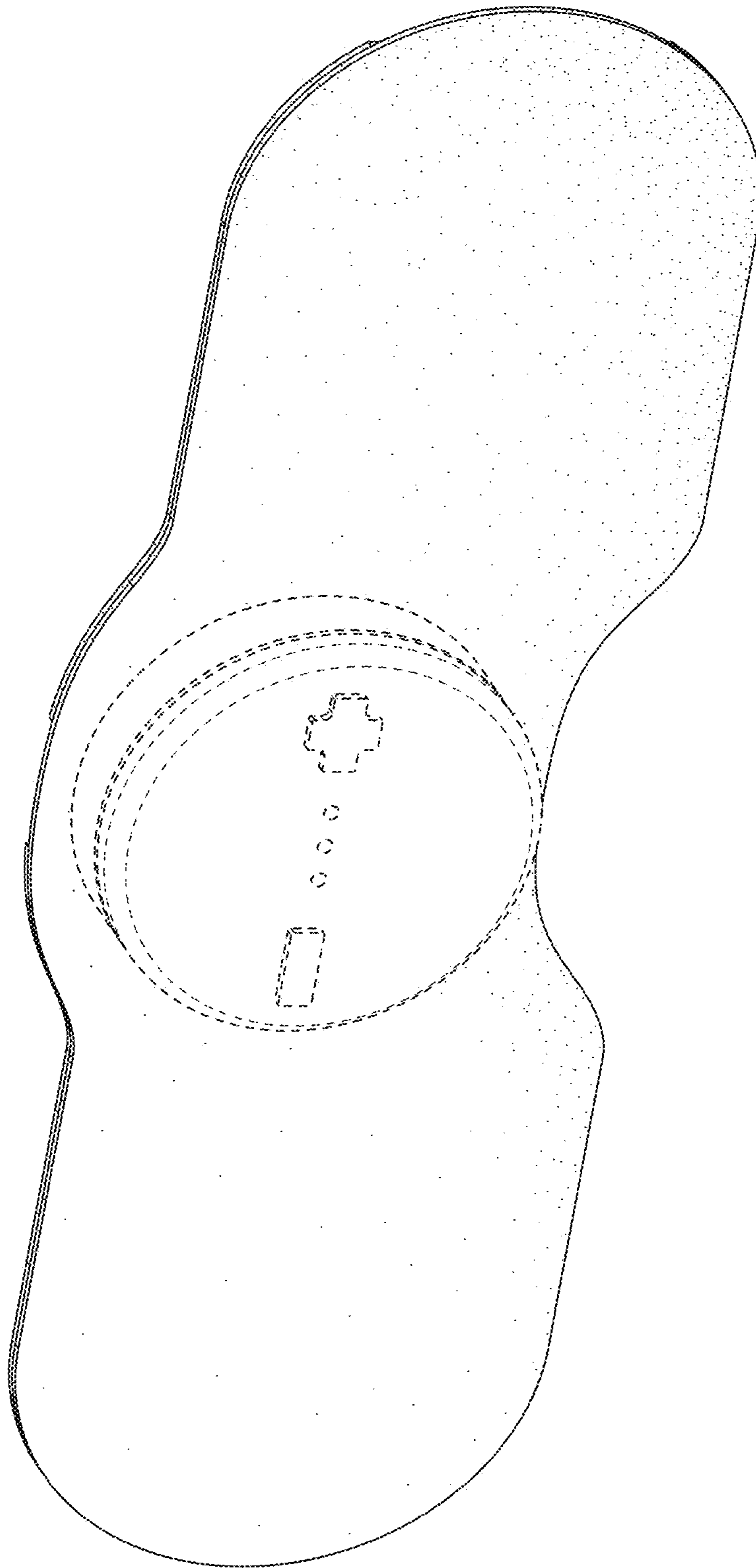


FIG. 8

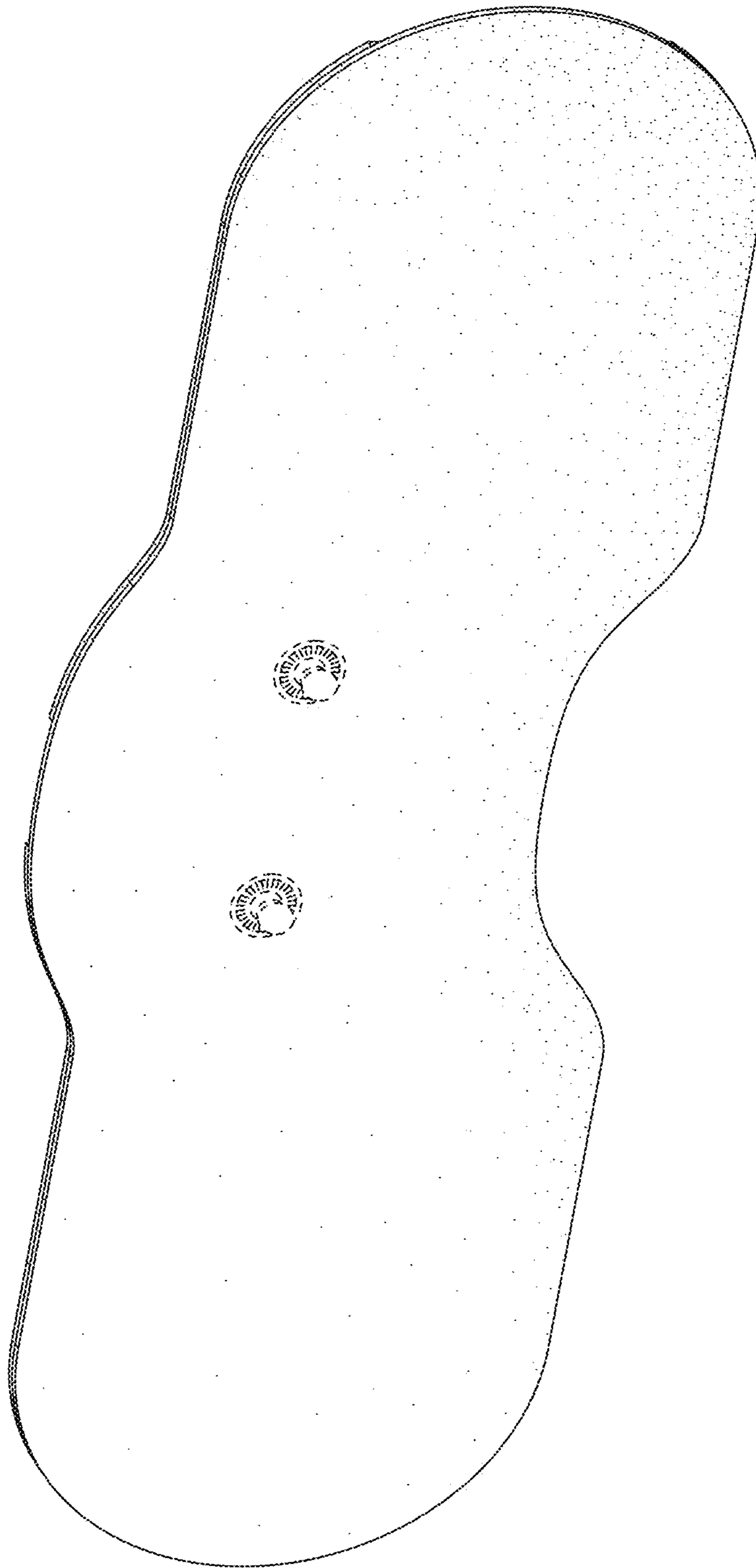


FIG. 9

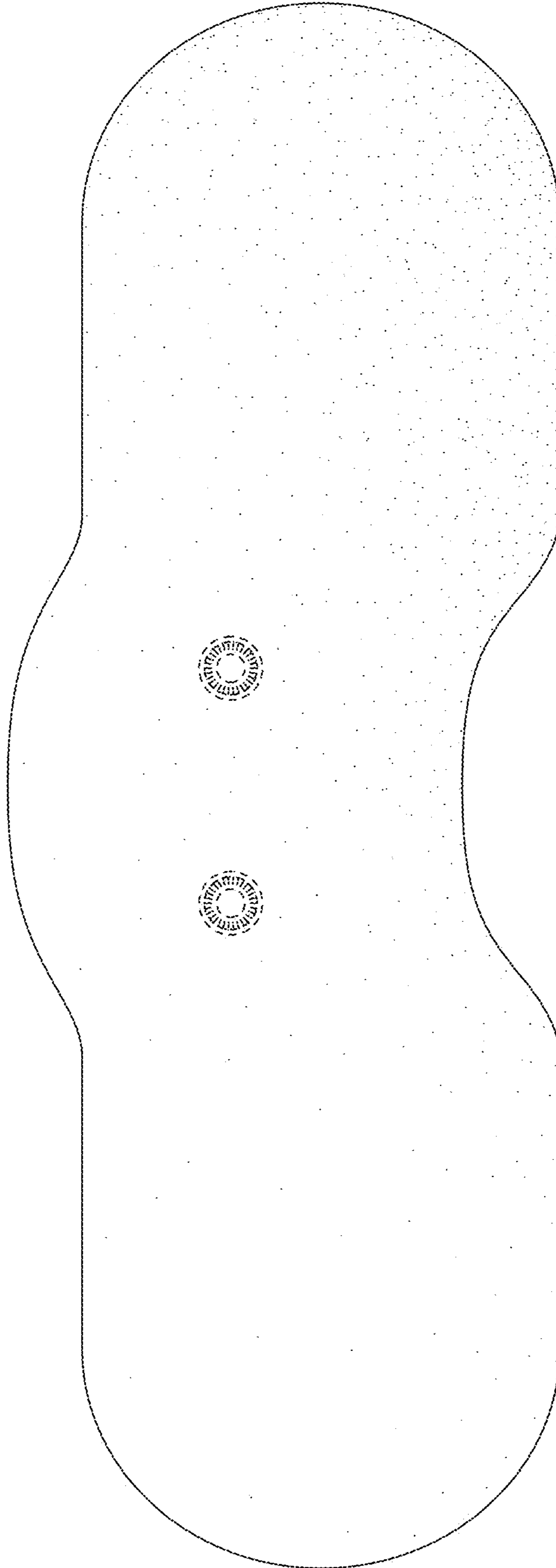


FIG. 10

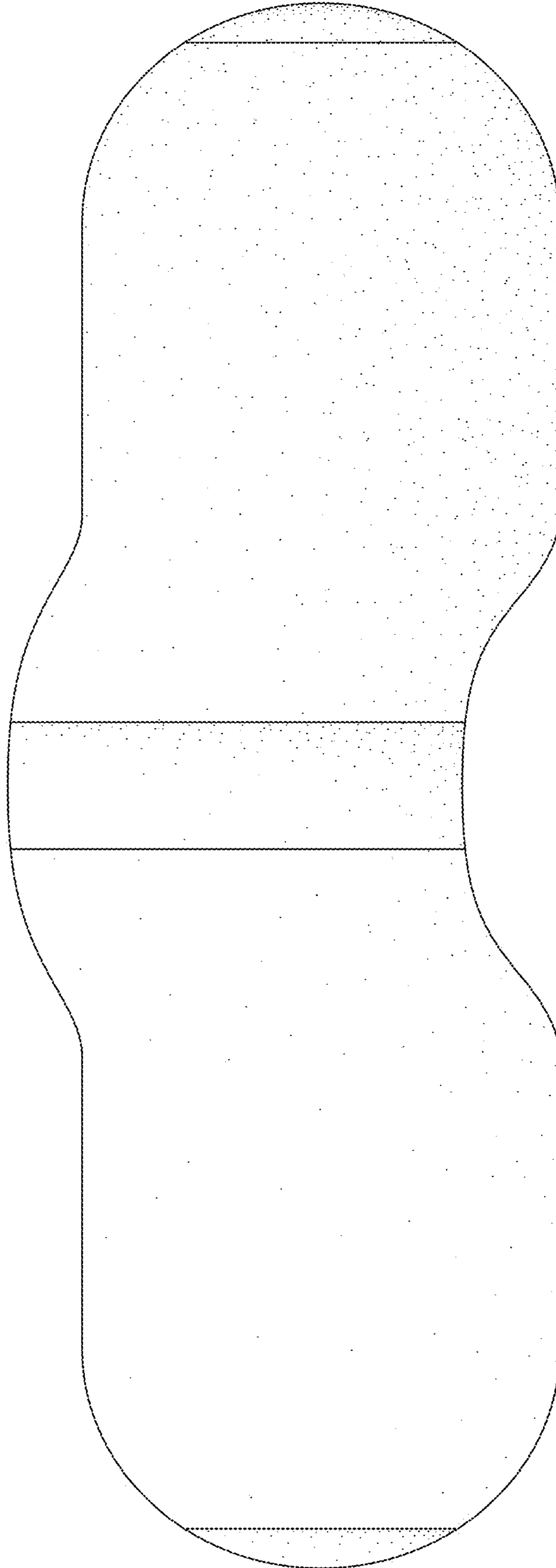


FIG. 11

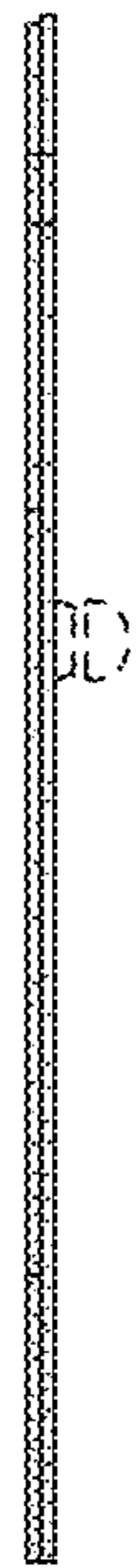


FIG. 12



FIG. 13



FIG. 14



FIG. 15

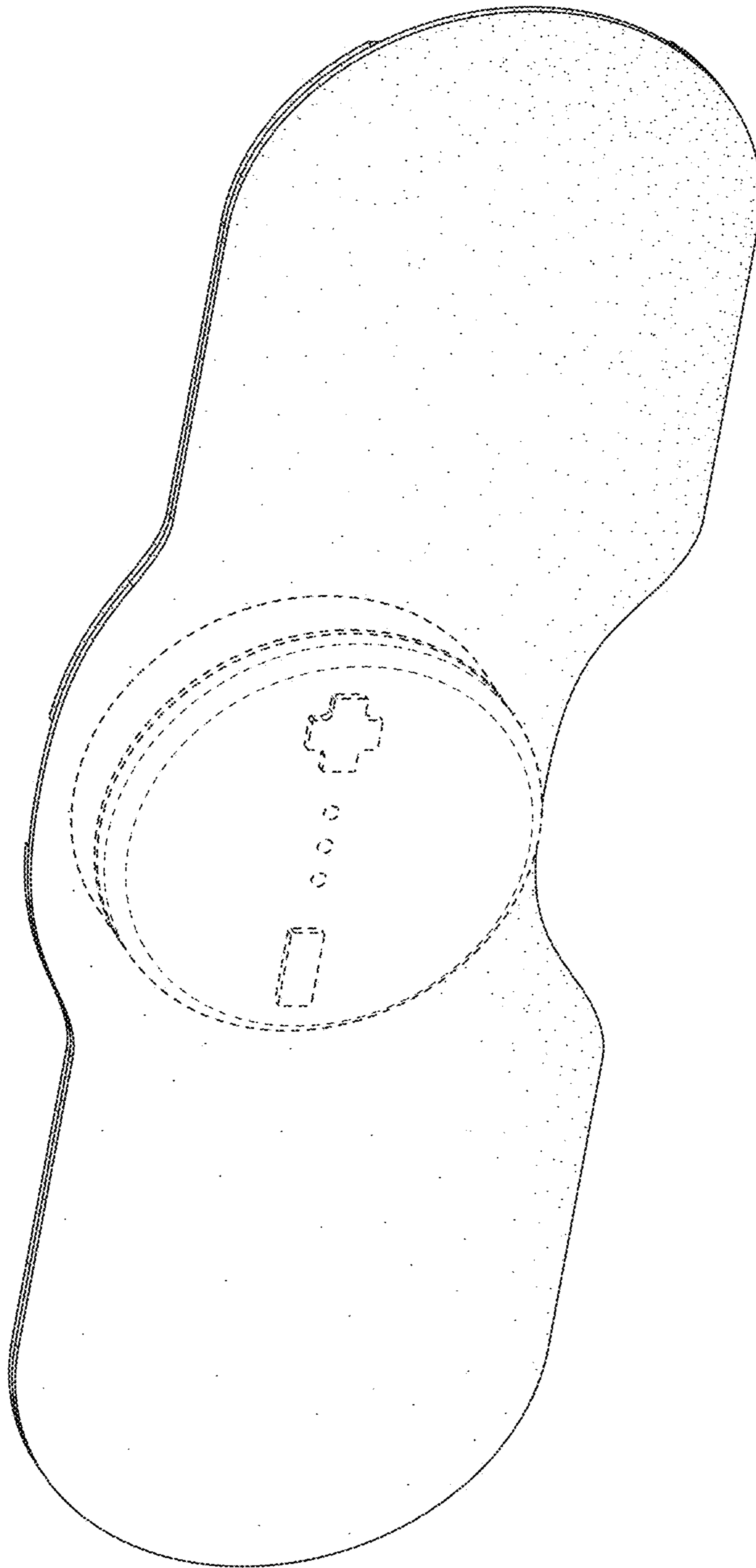


FIG. 16