



US00D785262S

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

(10) **Patent No.:** **US D785,262 S**
(45) **Date of Patent:** **** Apr. 25, 2017**

(54) **ROBOT CLEANER**

- (71) Applicant: **Samsung Electronics Co., Ltd.**,
Suwon-si, Gyeonggi-do (KR)
- (72) Inventors: **Hyoungsub Choi**, Goyang-si (KR);
Byeongsoo Kim, Seoul (KR);
Hwandong Lee, Cheonan-si (KR)
- (73) Assignee: **SAMSUNG ELECTRONICS CO., LTD.**,
Suwon-si, Gyeonggi-Do (KR)

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

(21) Appl. No.: **29/543,397**

(22) Filed: **Oct. 23, 2015**

(30) **Foreign Application Priority Data**

Apr. 23, 2015 (KR) 30-2015-0020792

(51) **LOC (10) Cl.** **15-05**

(52) **U.S. Cl.**
USPC **D32/31**

(58) **Field of Classification Search**

USPC D32/18, 21-24, 31
CPC . A47L 9/16; A47L 9/20; A47L 9/1683; A47L
9/1666; A47L 9/1608; A47L 9/2857;
A47L 9/2842; A47L 9/2836; A47L
9/2847; A47L 9/2852; A47L 5/28; A47L
7/0038; G06N 3/008; E04H 4/1654

See application file for complete search history.

(56) **References Cited**

U.S. PATENT DOCUMENTS

D524,495 S *	7/2006	Ljunggren	.....	D32/21
D526,753 S *	8/2006	Tani	.....	D32/21
D658,341 S *	4/2012	Nam	.....	D32/21
D661,032 S *	5/2012	Lee	.....	D32/21
D661,439 S *	6/2012	Lee	.....	D32/21
D665,547 S *	8/2012	Nam	.....	D32/21
D669,235 S *	10/2012	Bassett	.....	D32/21
D690,478 S *	9/2013	Li	.....	D32/21
D691,337 S *	10/2013	Kim	.....	D32/21

(Continued)

FOREIGN PATENT DOCUMENTS

KR	30-0454937	7/2007
KR	30-0539774	9/2009
KR	30-0633132	3/2012

OTHER PUBLICATIONS

KR Design Registration No. 30-0454937 English Translation.
KR Design Registration No. 30-0539774 English Translation.
KR Design Registration No. 30-0633132 English Translation.

Primary Examiner — Ruth McInroy

(74) *Attorney, Agent, or Firm* — Ladas & Parry LLP

(57) **CLAIM**

We claim the ornamental design for a robot cleaner, as shown and described.

DESCRIPTION

FIG. 1 is a perspective view of a robot cleaner showing our new design.

FIG. 2 is a front view thereof;

FIG. 3 is a rear view thereof;

FIG. 4 is a left-side view thereof;

FIG. 5 is a right-side view thereof;

FIG. 6 is a top view thereof;

FIG. 7 is a bottom view thereof; and,

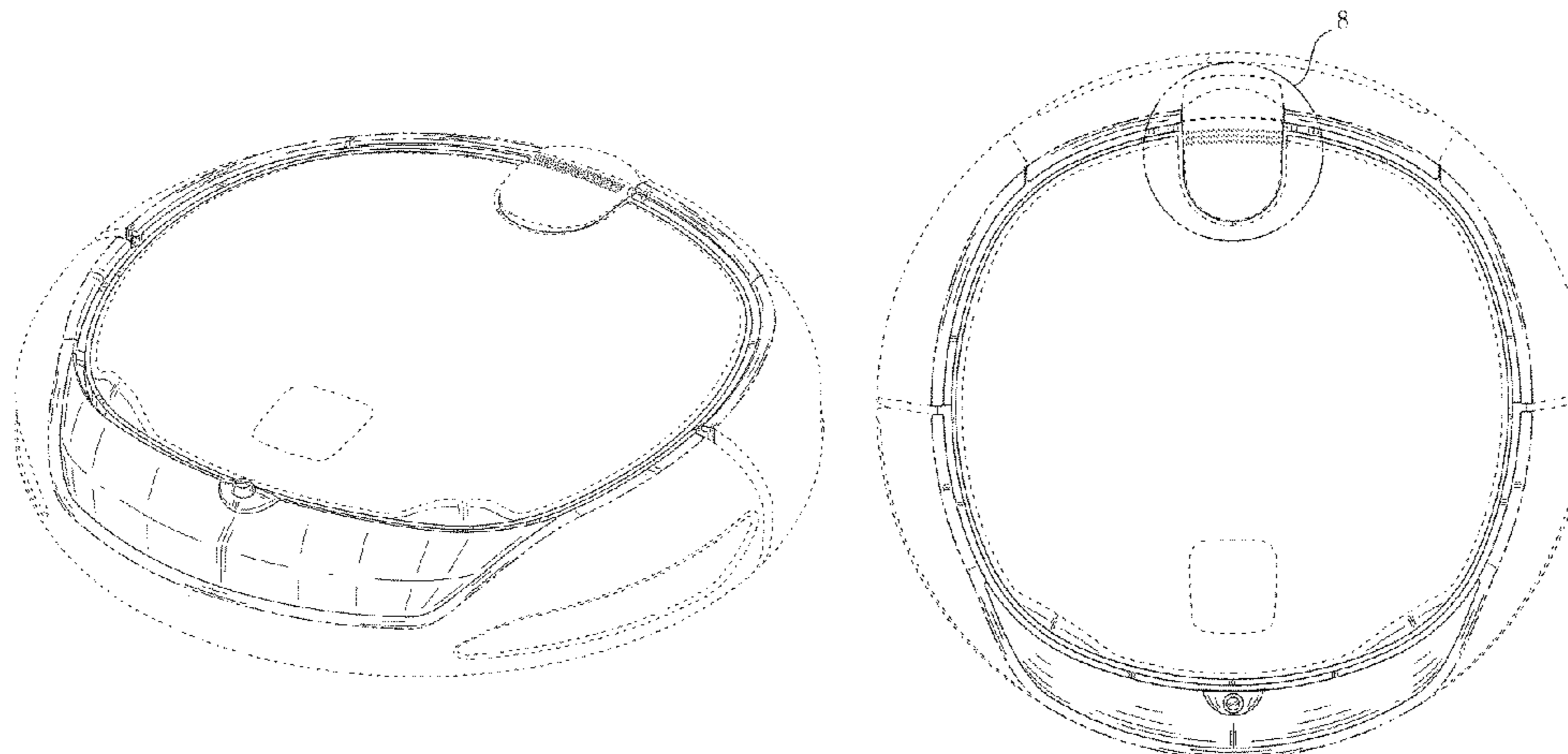
FIG. 8 is an enlarged view of the encircled portion 8 of FIG. 6.

The broken lines illustrating portions of the robot cleaner are for environmental purposes only and form no part of the claimed design.

The dot-dot-dash broken lines in the figures represent an unclaimed boundary line and form no part of the claimed design.

The dot-dot-dot-dash broken lines encircling enlargement portions of the design form no part of the claimed design.

1 Claim, 8 Drawing Sheets



(56)

References Cited

U.S. PATENT DOCUMENTS

D703,397	S	*	4/2014	Sungkyung	.....	D32/21
D714,002	S	*	9/2014	Casini	.....	D32/21
D714,003	S	*	9/2014	Casini	.....	D32/21
D715,504	S	*	10/2014	Deoksang	.....	D32/21
D743,645	S	*	11/2015	Lee	.....	D32/21
2016/0058256	A1	*	3/2016	Ju	.....	A47L 9/0477 15/347

* cited by examiner

FIG. 1

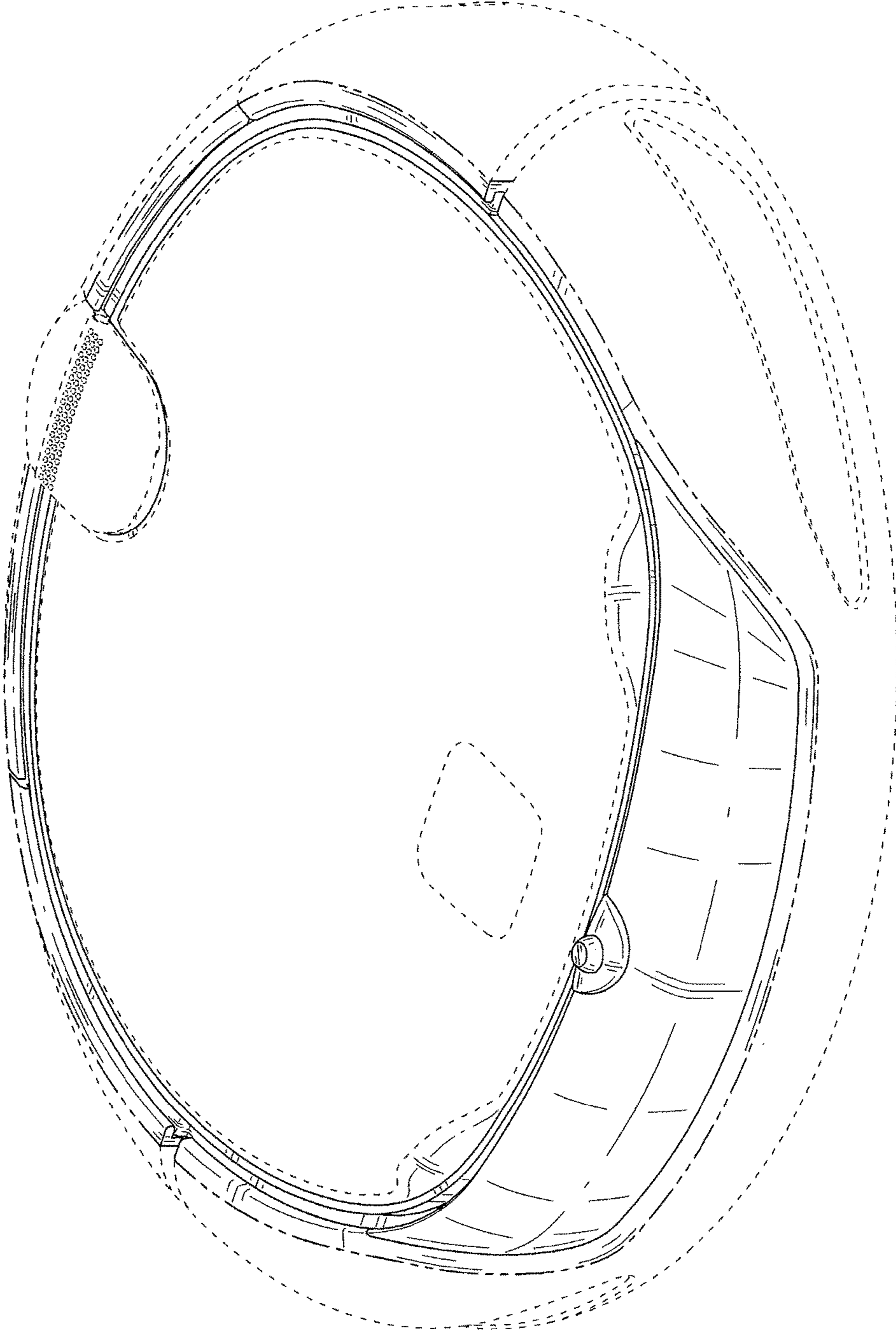


FIG. 2

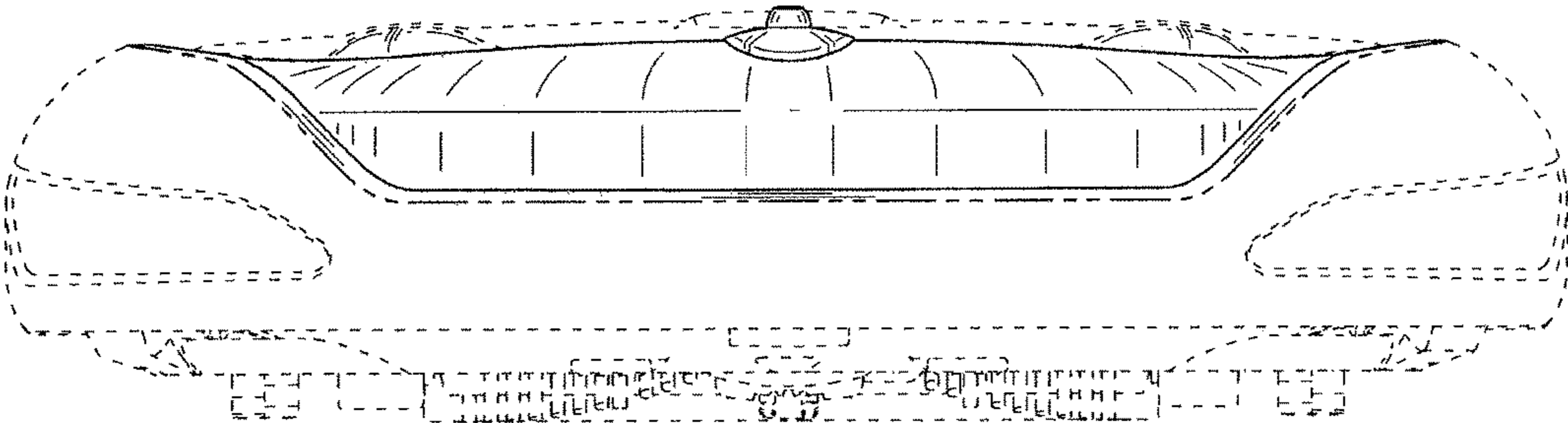


FIG. 3

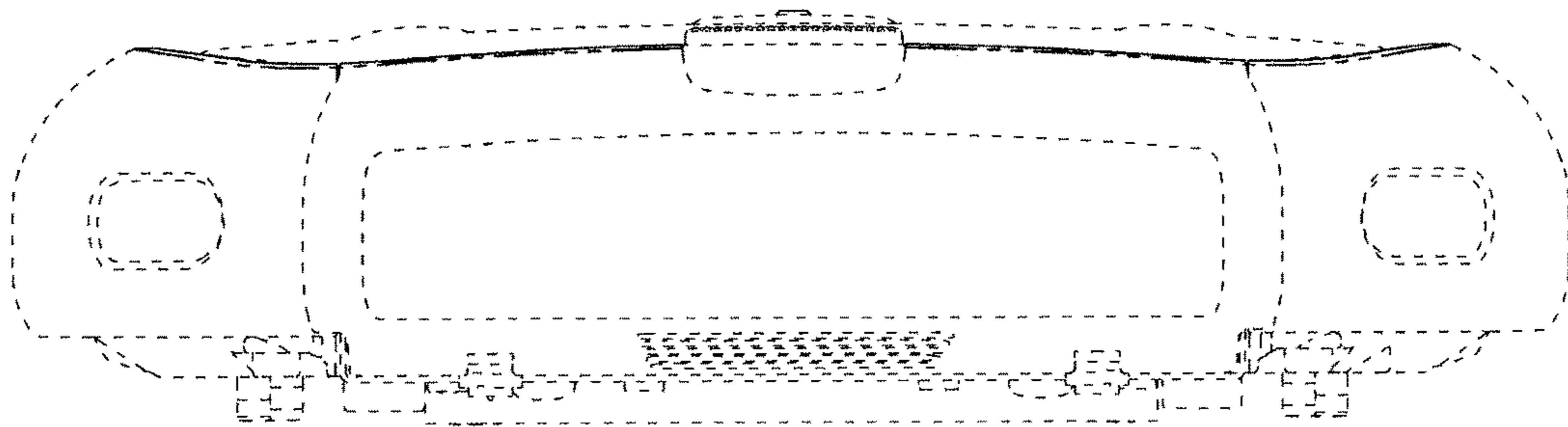


FIG. 4

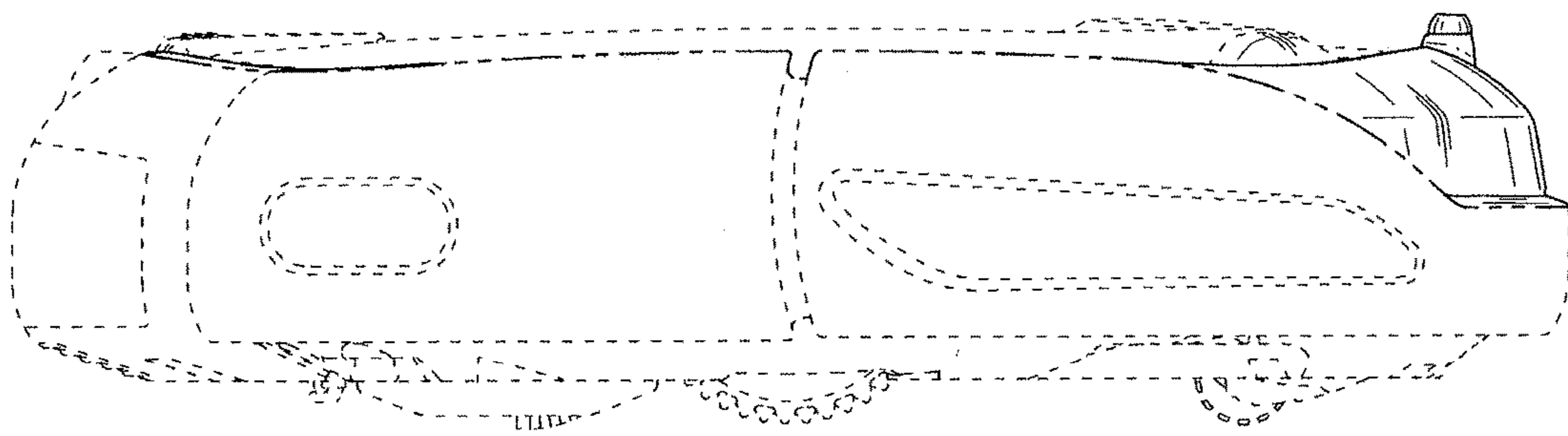


FIG. 5

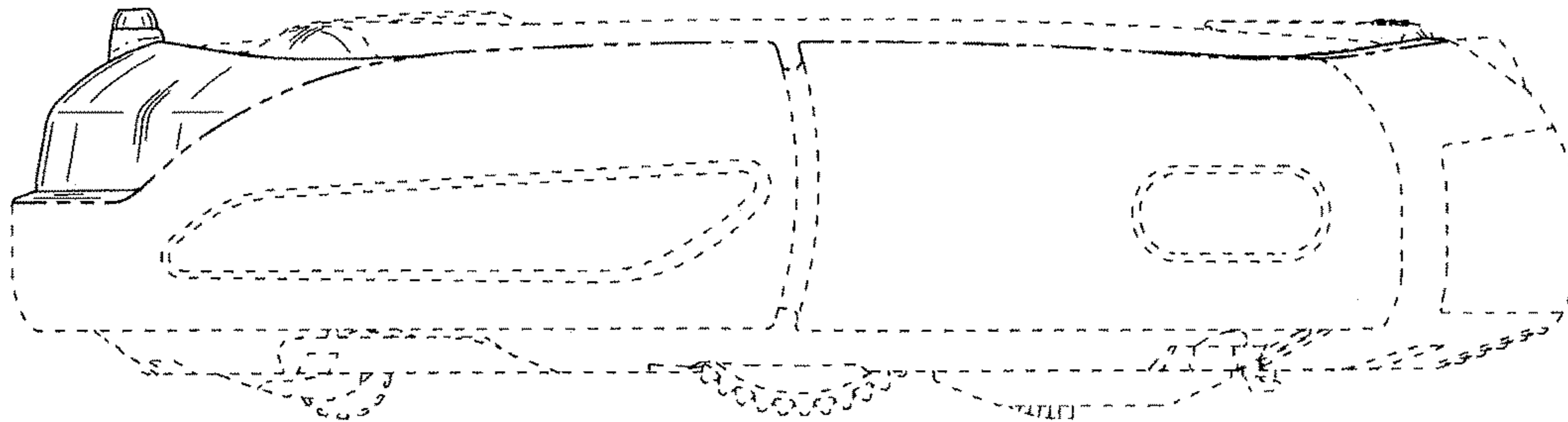


FIG. 6

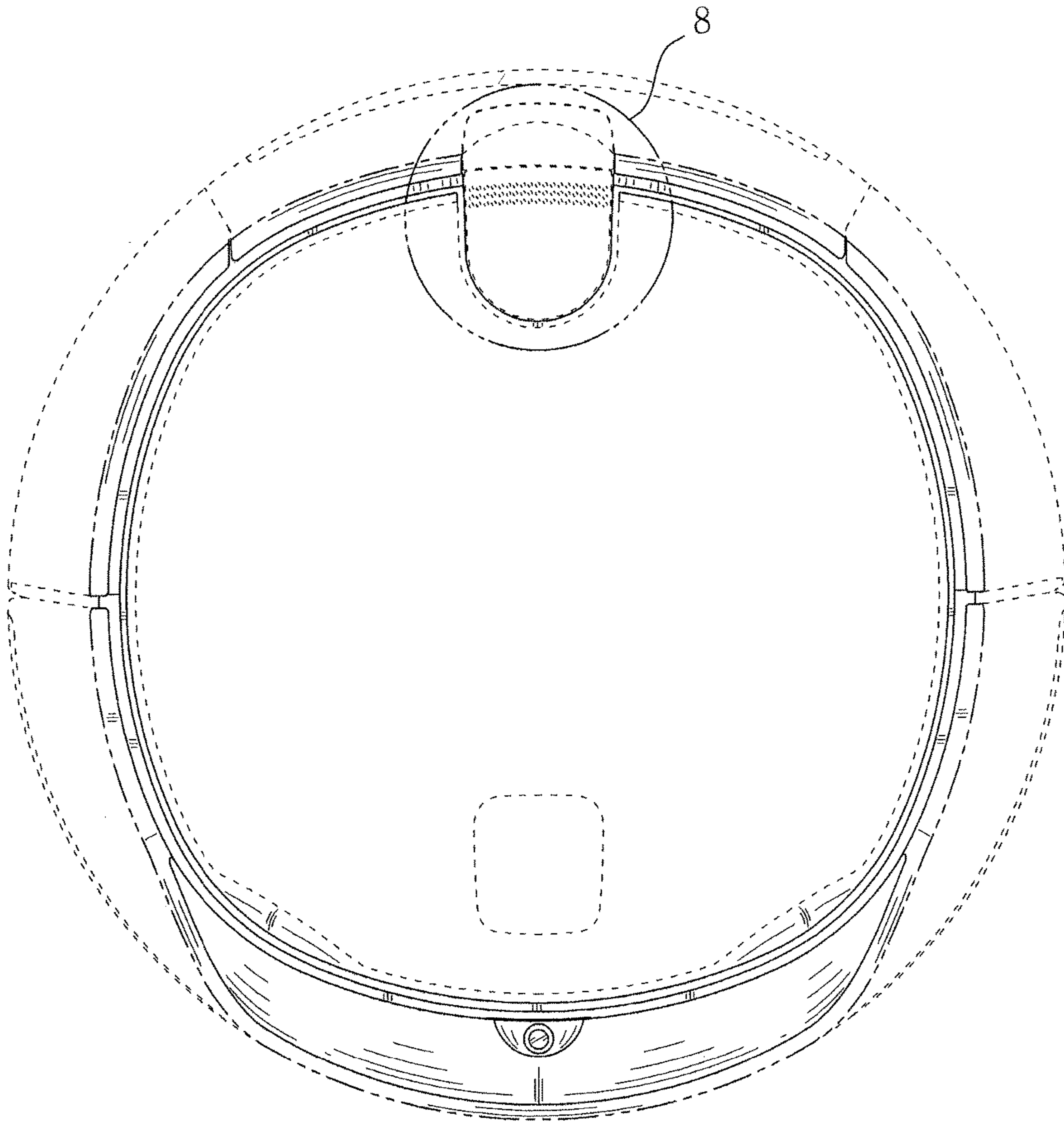


FIG. 7

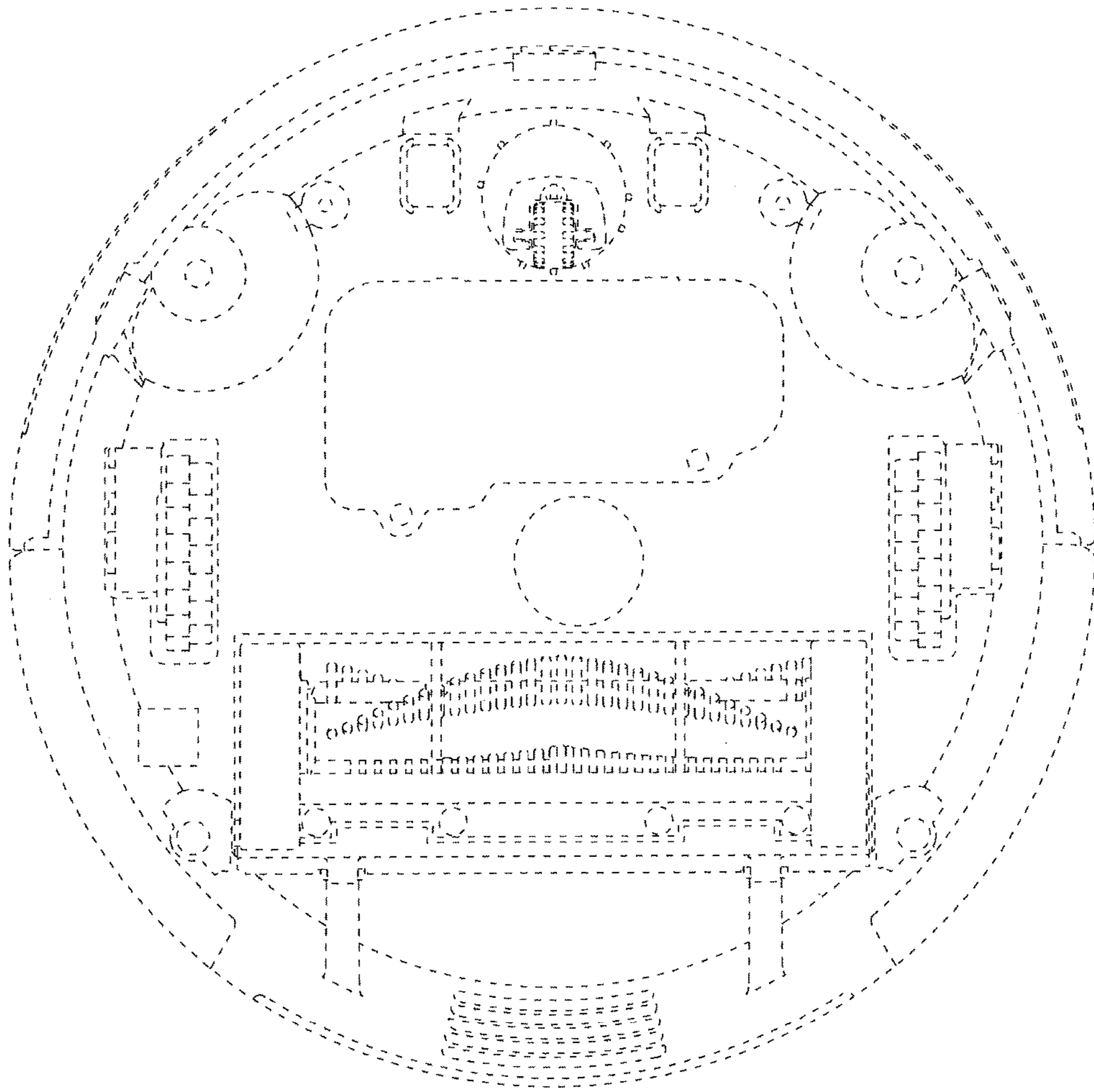


FIG. 8

