



US00D926326S

(12) **United States Design Patent** (10) **Patent No.:** **US D926,326 S**  
**Terry et al.** (45) **Date of Patent:** **\*\* Jul. 27, 2021**

(54) **TRANSCUTANEOUS ANALYTE SENSOR APPLICATOR**

(71) Applicant: **DexCom, Inc.**, San Diego, CA (US)

(72) Inventors: **Warren Terry**, Poway, CA (US); **Patrick John Castagna**, San Diego, CA (US); **David A. Keller**, Encinitas, CA (US); **Young Woo Lee**, San Diego, CA (US); **Joseph J. Baker**, Vista, CA (US); **Randall Scott Koplin**, Middleton, WI (US); **Andrew Joncich**, Madison, WI (US)

(73) Assignee: **DexCom, Inc.**, San Diego, CA (US)

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

(21) Appl. No.: **29/737,018**

(22) Filed: **Jun. 4, 2020**

**Related U.S. Application Data**

(63) Continuation of application No. 29/653,761, filed on Jun. 18, 2018, now Pat. No. Des. 888,252, which is a (Continued)

(51) **LOC (13) Cl.** ..... **24-01**

(52) **U.S. Cl.**  
USPC ..... **D24/169**

(58) **Field of Classification Search**  
USPC ..... D24/107, 164, 165-169, 186, 187, 112, D24/114, 216; D10/81, 98; D14/341, D14/344  
CPC ..... A61B 5/6801; A61B 5/681; A61B 5/6819; A61B 5/6823; A61B 5/6824; A61B 5/02405; A61B 5/02427; A61B 5/02438; A61B 5/0245; A61B 5/0402; A61B 5/0404; A61B 5/0004; A61B 5/14503; A61B

(Continued)

(56) **References Cited**

U.S. PATENT DOCUMENTS

3,759,375 A 9/1973 Nappi  
3,815,315 A 6/1974 Glick

(Continued)

FOREIGN PATENT DOCUMENTS

JP 2008127024 A 6/2008  
JP 2013523216 A 6/2013

(Continued)

OTHER PUBLICATIONS

Extended European Search Report for Application No. 18819769.3, dated Dec. 1, 2020, 9 pages.

(Continued)

*Primary Examiner* — Anhdao Doan

(74) *Attorney, Agent, or Firm* — Knobbe Martens Olson & Bear LLP

(57) **CLAIM**

The ornamental design for a transcutaneous analyte sensor applicator, as shown and described.

**DESCRIPTION**

FIG. 1 is a top, front, and right-side perspective view of a transcutaneous analyte sensor applicator showing our design;

FIG. 2 is a front view thereof;

FIG. 3 is a rear view thereof;

FIG. 4 is a right-side view thereof;

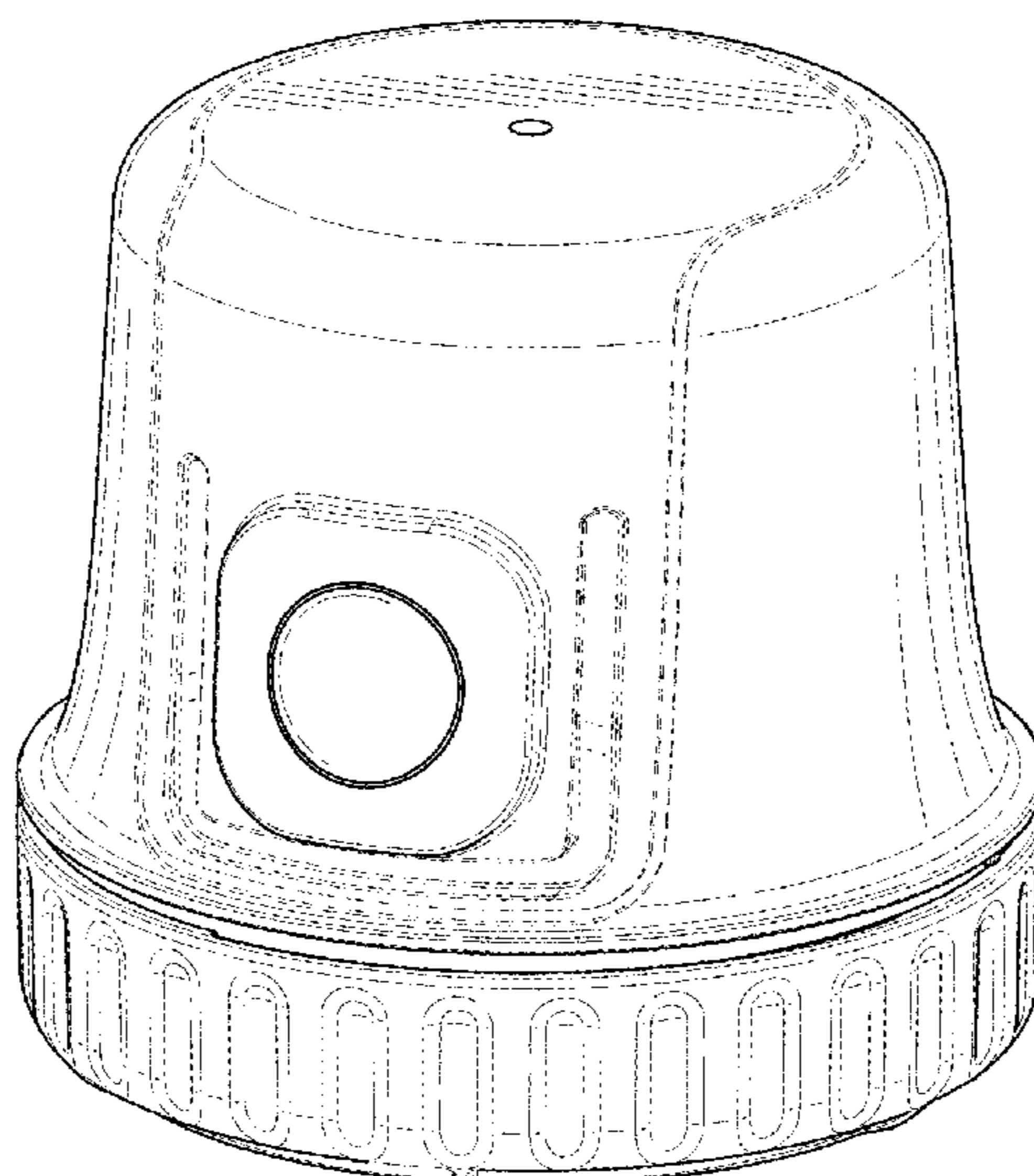
FIG. 5 is a left-side view thereof;

FIG. 6 is a top view thereof; and,

FIG. 7 is a bottom view thereof.

The broken lines depict portions of the transcutaneous analyte sensor applicator that form no part of the claimed design.

**1 Claim, 4 Drawing Sheets**



**Related U.S. Application Data**

continuation-in-part of application No. 16/011,527, filed on Jun. 18, 2018.

- (58) **Field of Classification Search**  
 CPC ..... 5/14532; A61B 5/14865; A61B 5/6832; A61B 5/6833; A61B 5/6849; A61B 2560/0412; A61B 2560/0443; A61B 2560/0462; A61B 25/0206; A61M 25/0206  
 See application file for complete search history.

(56) **References Cited**

U.S. PATENT DOCUMENTS

3,872,966	A	3/1975	Gordon et al.	
3,991,881	A	11/1976	Augurt	
4,206,844	A	6/1980	Thukamoto et al.	
4,353,694	A	10/1982	Pelerin	
4,511,035	A	4/1985	Alpem	
5,390,671	A	2/1995	Lord et al.	
5,464,580	A	11/1995	Popescu et al.	
5,575,403	A	11/1996	Charlton	
5,586,553	A	12/1996	Halili et al.	
5,697,495	A	12/1997	Abrams et al.	
5,868,253	A	2/1999	Krueger et al.	
6,892,085	B2	5/2005	McIvor et al.	
D579,541	S *	10/2008	Mogensen ..... D24/108	
7,494,465	B2	2/2009	Brister et al.	
7,497,827	B2	3/2009	Brister et al.	
D603,050	S	10/2009	Chen	
7,774,145	B2	8/2010	Brauker et al.	
8,069,980	B2	12/2011	Stopek et al.	
8,252,229	B2	8/2012	Thomas et al.	
8,275,437	B2	9/2012	Brauker et al.	
8,396,528	B2	3/2013	Kamath et al.	
8,478,377	B2	7/2013	Shariati et al.	
D691,710	S	10/2013	White	
D693,927	S	11/2013	Wilson et al.	
8,684,172	B2	4/2014	Yao	
D705,422	S	5/2014	Burton et al.	
8,783,102	B2	6/2014	Heck et al.	
8,764,657	B2	7/2014	Curry et al.	
8,802,006	B2	8/2014	Thomas et al.	
8,960,422	B2	2/2015	Reyhan et al.	
9,101,305	B2	8/2015	Larson et al.	
9,239,252	B2	1/2016	Koga et al.	
9,265,453	B2	2/2016	Curry et al.	
9,357,951	B2	6/2016	Simpson et al.	
9,402,544	B2	8/2016	Yee et al.	
9,402,570	B2	8/2016	Pace et al.	
9,474,524	B2	10/2016	Fischer et al.	
9,546,031	B2	1/2017	Healy	
9,636,068	B2	5/2017	Yee et al.	
D794,800	S	8/2017	Gobrecht et al.	
9,717,843	B2	8/2017	Grucela et al.	
10,029,043	B2	7/2018	Grucela et al.	
D854,146	S *	7/2019	Stonecipher ..... D24/114	
D888,252	S *	6/2020	Terry ..... D24/186	
D891,612	S *	7/2020	Stonecipher ..... D24/114	

2002/0119711	A1	8/2002	VanAntwerp et al.	
2003/0138347	A1	7/2003	Lin	
2004/0173487	A1	9/2004	Johnson et al.	
2004/0204687	A1*	10/2004	Mogensen ..... A61M 5/158	604/181
2006/0036145	A1	2/2006	Brister et al.	
2007/0203966	A1	8/2007	Brauker et al.	
2007/0289894	A1	12/2007	Tennant et al.	
2008/0114280	A1	5/2008	Stafford	
2008/0121553	A1	5/2008	Gobel	
2008/0249473	A1	10/2008	Rutti et al.	
2009/0124879	A1	5/2009	Brister et al.	
2009/0257911	A1	10/2009	Thomas et al.	
2011/0319729	A1	12/2011	Donnay et al.	
2012/0227358	A1	9/2012	Larson et al.	
2013/0150691	A1	6/2013	Pace et al.	
2013/0233736	A1	9/2013	Hess et al.	
2013/0264226	A1	10/2013	Prikriil et al.	
2014/0034545	A1	2/2014	Pawlowski et al.	
2014/0107579	A1	4/2014	Lanigan et al.	
2014/0190861	A1	7/2014	Carrel et al.	
2015/0129437	A1	5/2015	Clamp et al.	
2015/0147602	A1	5/2015	Bianchi et al.	
2016/0015897	A1	1/2016	Swanson et al.	
2016/0106349	A1	4/2016	Pryor et al.	
2016/0128615	A1	5/2016	Curry et al.	
2017/0020458	A1	1/2017	Yee et al.	
2017/0112531	A1	4/2017	Schoonmaker et al.	
2017/0112534	A1	4/2017	Schoonmaker et al.	
2017/0188910	A1	7/2017	Halac et al.	
2018/0296749	A1	10/2018	Grucela et al.	
2018/0360357	A1	12/2018	Baker et al.	
2018/0360358	A1	12/2018	Baker et al.	
2018/0360493	A1	12/2018	Baker et al.	
2018/0368774	A1*	12/2018	Gray ..... A61B 5/14503	
2019/0270533	A1	9/2019	Lu et al.	
2019/0307381	A1*	10/2019	Boock ..... A61B 5/6823	
2019/0320955	A1	10/2019	Pryor et al.	
2020/0196919	A1*	6/2020	Rao ..... A61B 5/14503	

FOREIGN PATENT DOCUMENTS

JP	2013524872	A	6/2013
JP	2015509011	A	3/2015
WO	WO-2009095701	A1	8/2009

OTHER PUBLICATIONS

Office Action for Japanese Application No. JP2019-570026, dated Nov. 16, 2020, 13 pages.  
 International Search Report and Written Opinion for Application No. PCT/US2014/072113 dated Apr. 1, 2015, 9 pages.  
 International Preliminary Report on Patentability for Application No. PCT/US2014/072113 dated Aug. 25, 2016, 7 pages.  
 International Preliminary Report on Patentability for Application No. PCT/US2018/038117 dated Jan. 2, 2020, 12 pages.  
 International Search Report and Written Opinion for Application No. PCT/US2018/038117 dated Nov. 28, 2018, 15 pages.

\* cited by examiner

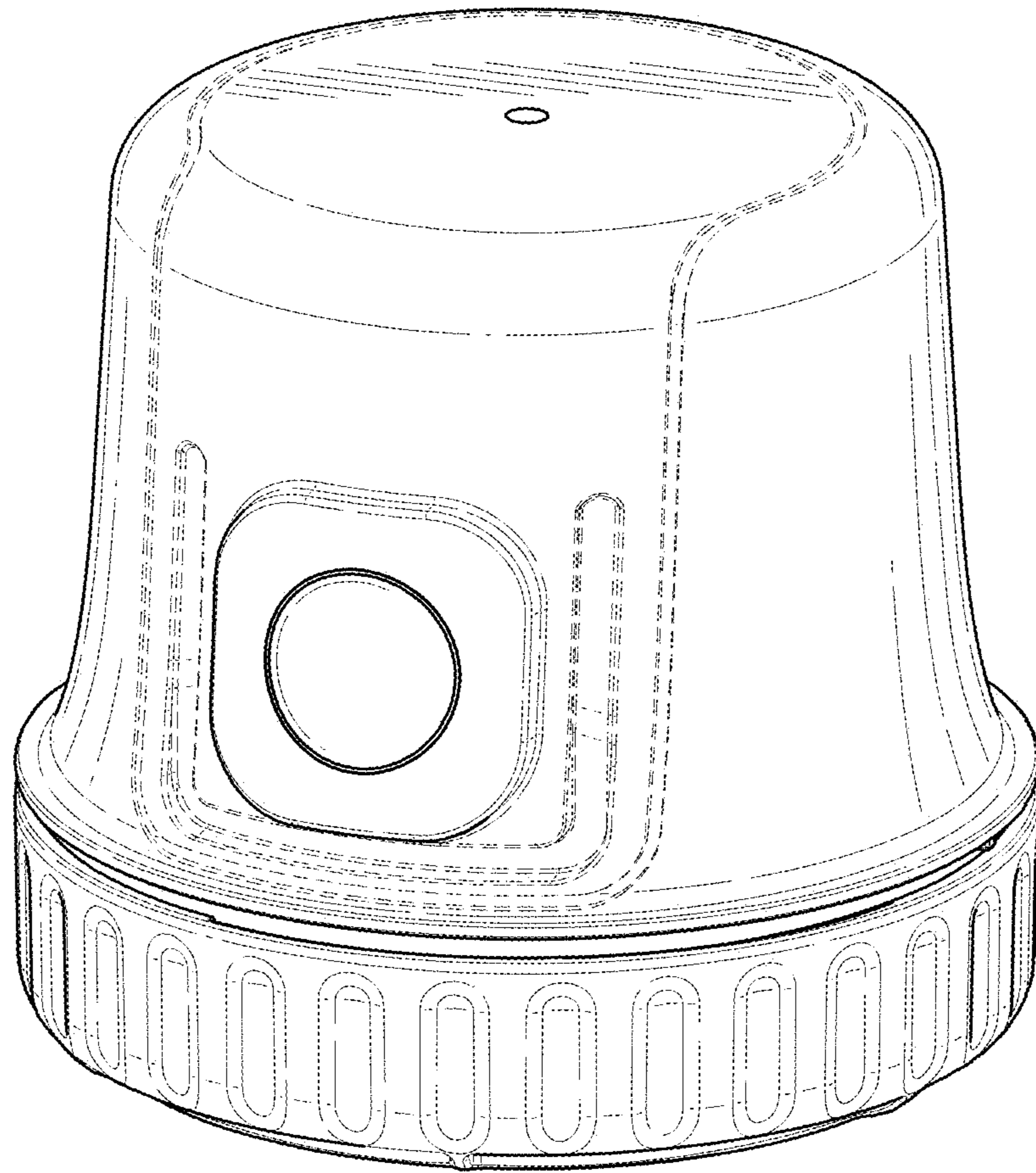


FIG. 1

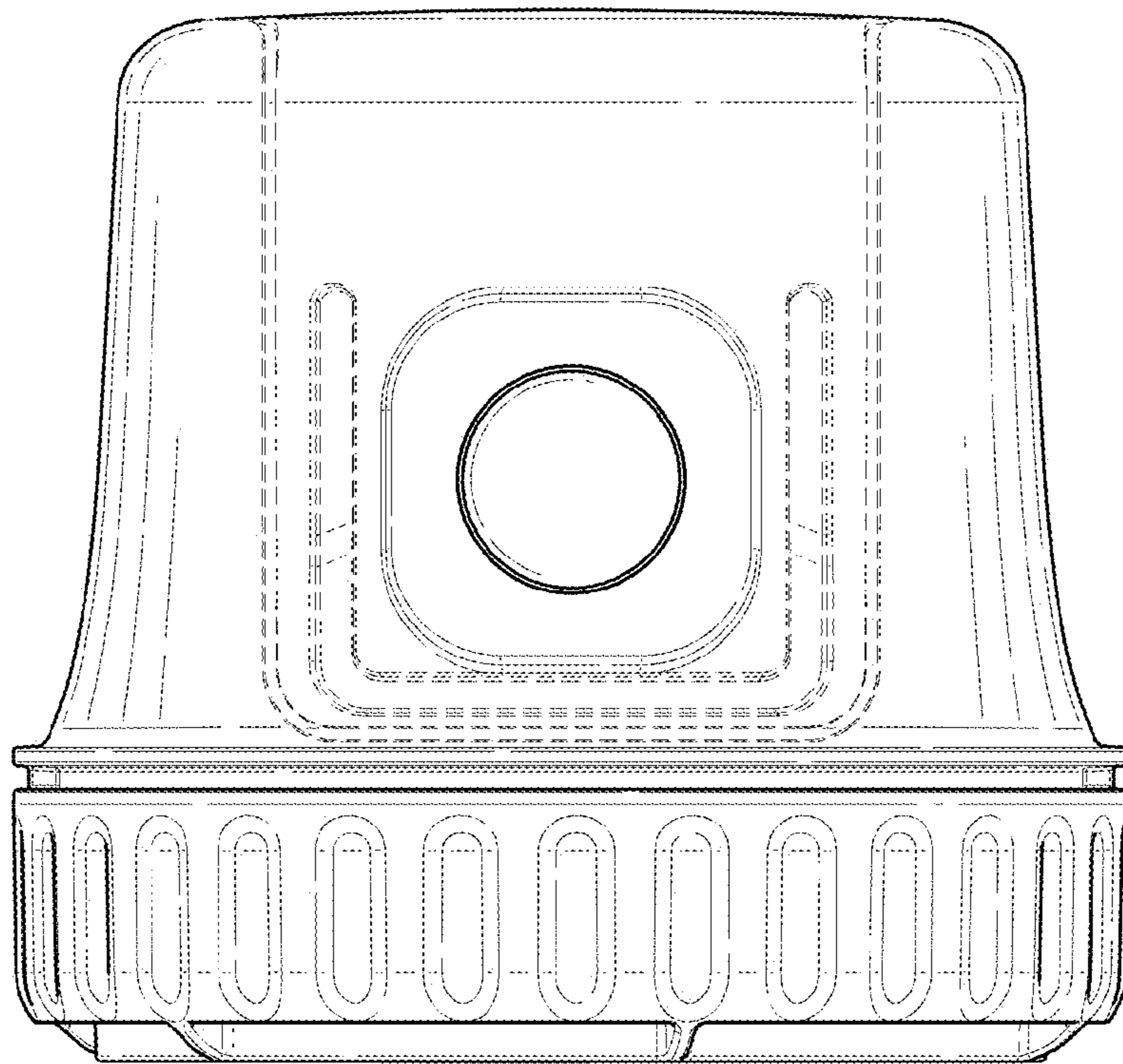


FIG. 2

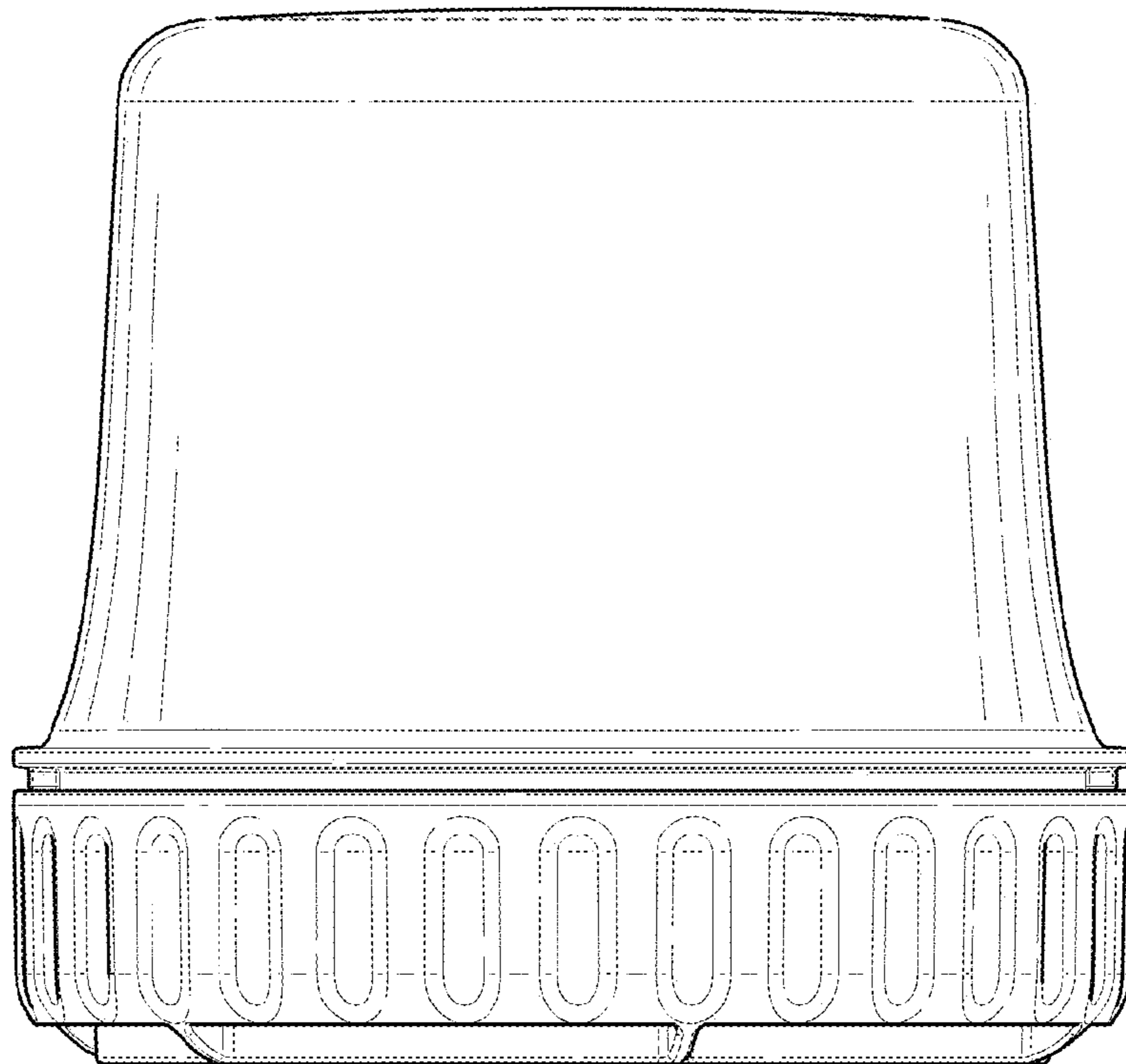


FIG. 3

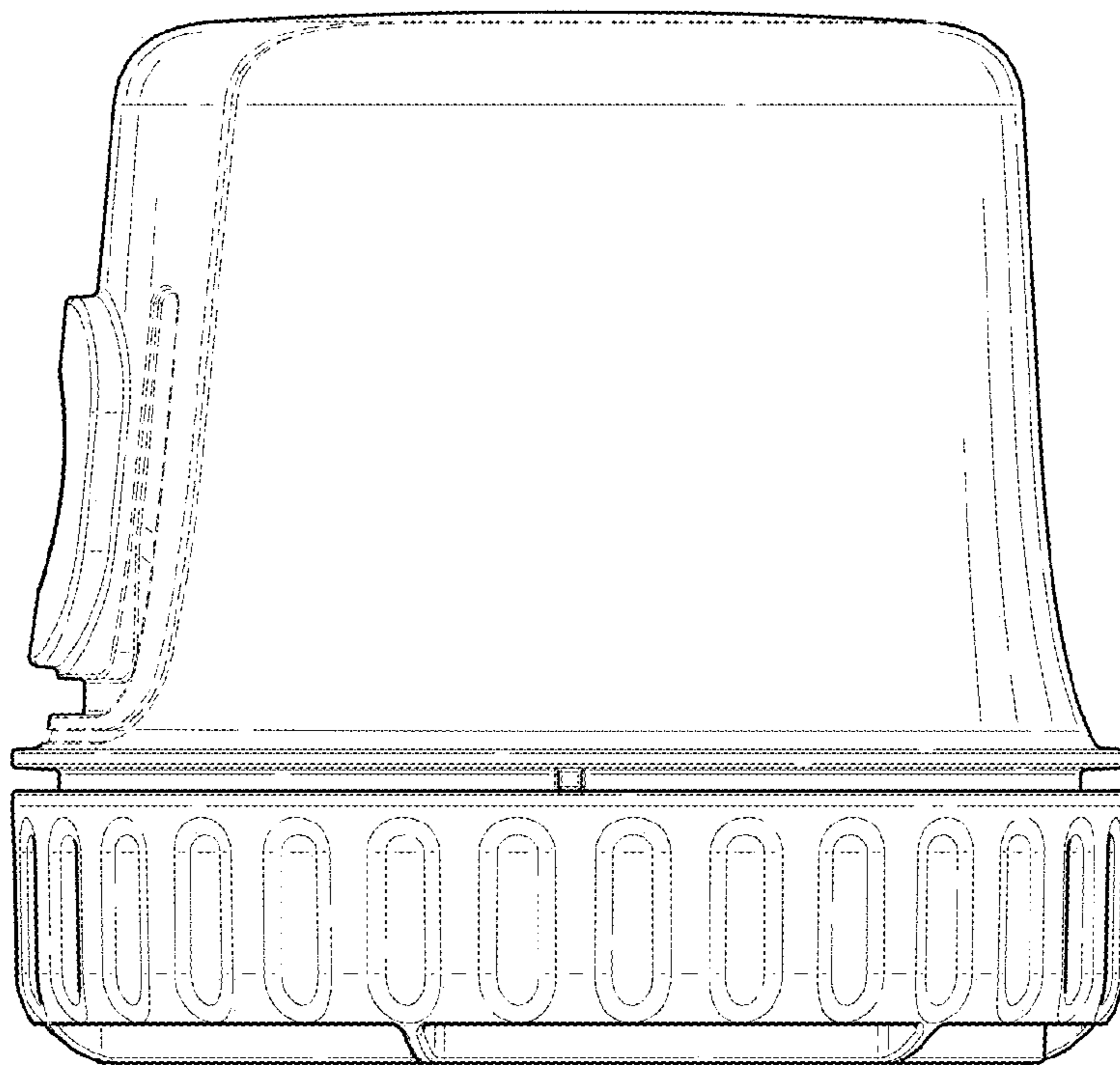


FIG. 4

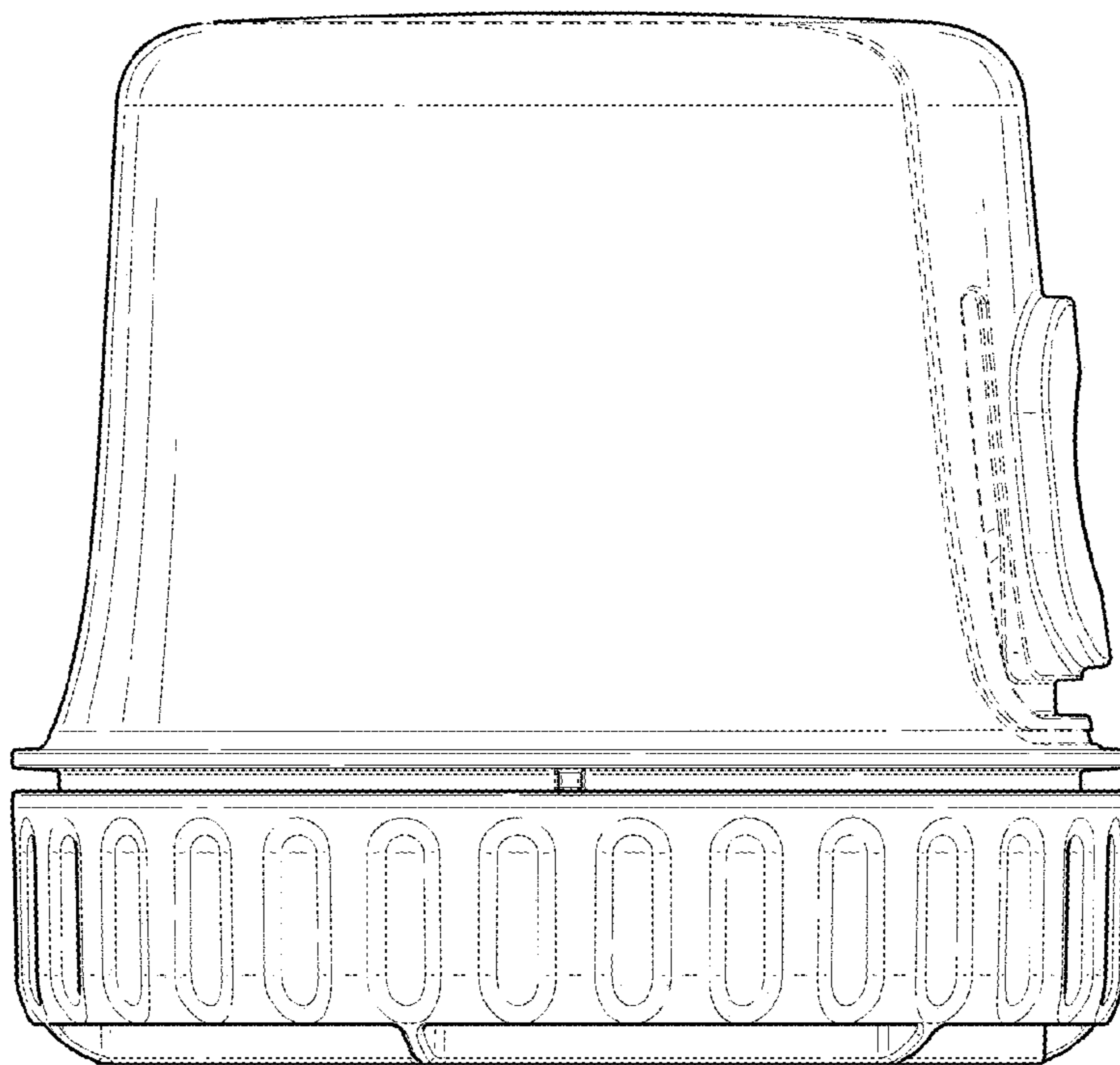


FIG. 5

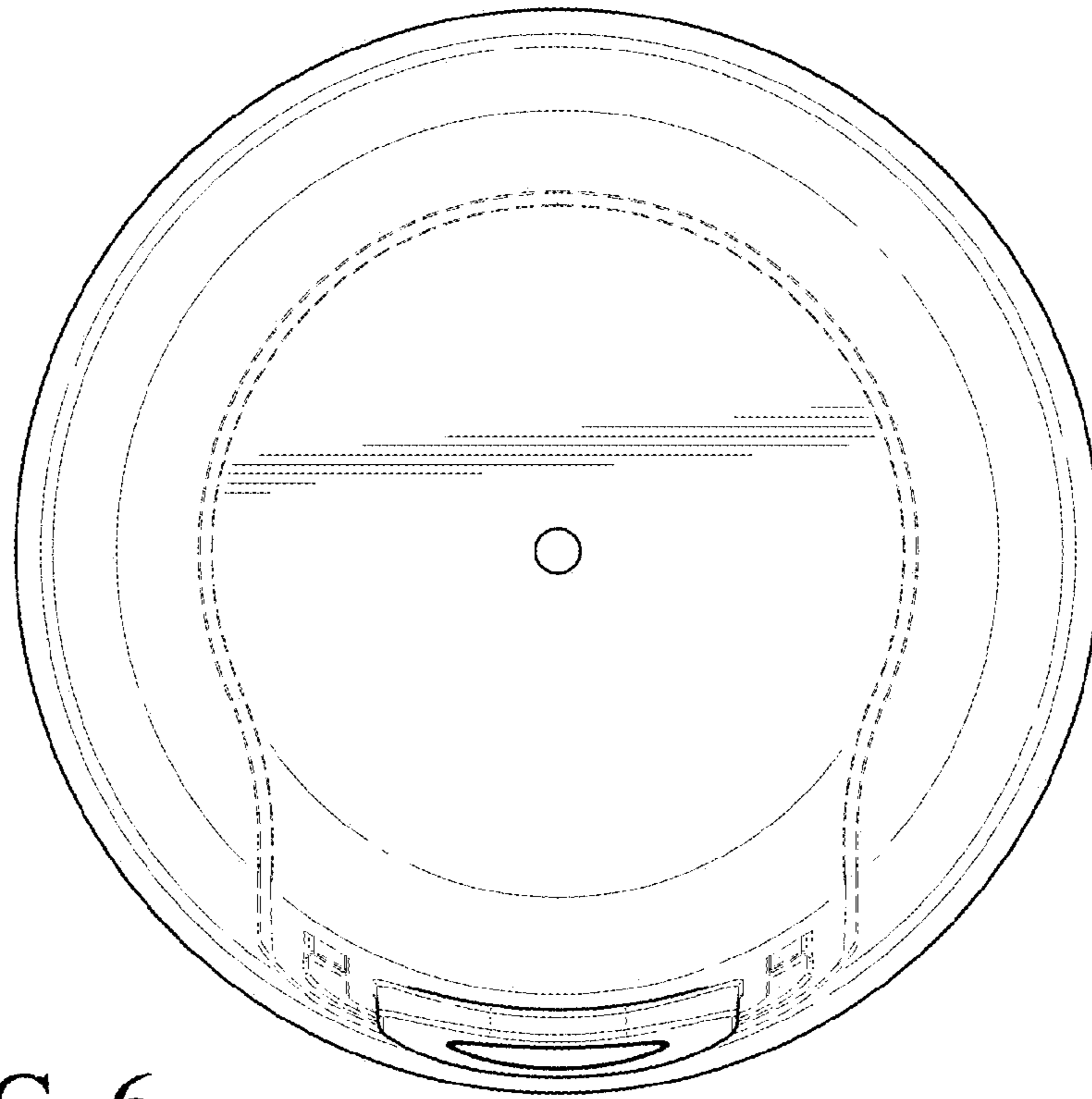


FIG. 6

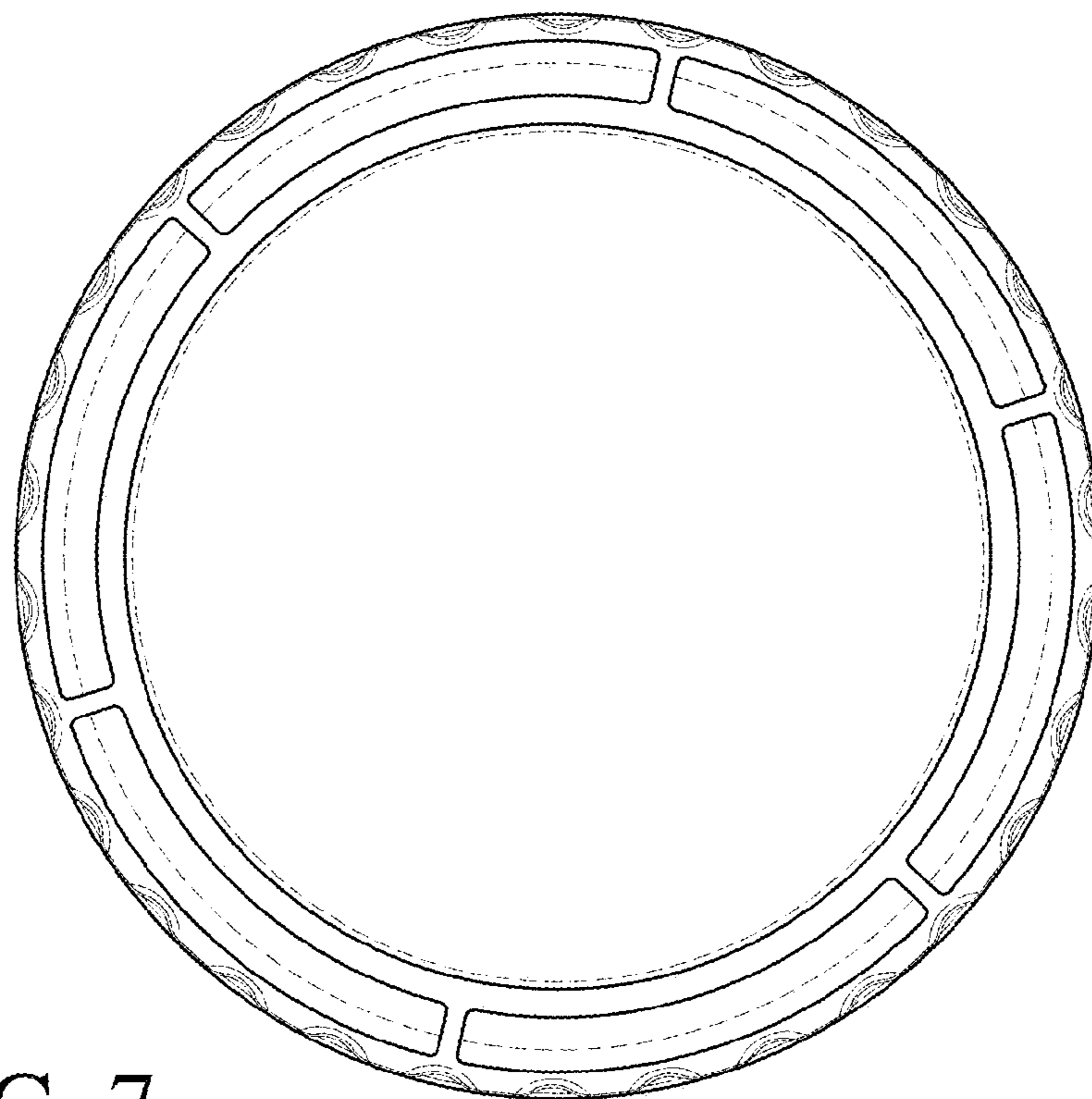


FIG. 7