



US00D942714S

(12) **United States Design Patent** (10) **Patent No.:** **US D942,714 S**
Kawa (45) **Date of Patent:** **** Feb. 1, 2022**

(54) **ACTIVITY SENSOR FOR ANIMALS**
(71) Applicant: **Ricoh Company, Ltd.**, Tokyo (JP)
(72) Inventor: **Toshihiko Kawa**, Ohta-ku (JP)
(73) Assignee: **RICOH COMPANY, LTD.**, Tokyo (JP)
(**) Term: **15 Years**
(21) Appl. No.: **29/677,708**
(22) Filed: **Jan. 23, 2019**
(30) **Foreign Application Priority Data**
Aug. 10, 2018 (JP) 2018-017627
(51) **LOC (13) Cl.** **30-99**
(52) **U.S. Cl.**
USPC **D30/199**
(58) **Field of Classification Search**
USPC D30/199, 155, 160; 119/718-720, 712,
119/905, 908, 859; D10/104.1, 114.6,
D10/106.1, 106.3, 106.5, 106.6, 70, 47,
D10/52, 53; D14/137, 496, 218, 240,
D14/356-359, 300, 302, 308, 309,
D14/348-354, 420, 432-434,
D14/140.1-140.3, 155, 159, 167, 168,
D14/170-172, 185, 195, 203.1, 204, 239,
D14/299, 314, 216, 209, 230; 340/573.3,
340/573.1, 384.2, 825.76; D26/93, 128;
348/211.3; D13/162, 164, 168, 171, 110,
D13/184, 174; D16/130, 200, 202-204,
D16/208, 221, 225; D23/364, 366, 356;
D21/324, 333, 328
CPC A01K 15/021-023; A01K 29/00; H04N
5/23206; H04N 5/23216; H04N 5/23293;
H04N 5/247
See application file for complete search history.

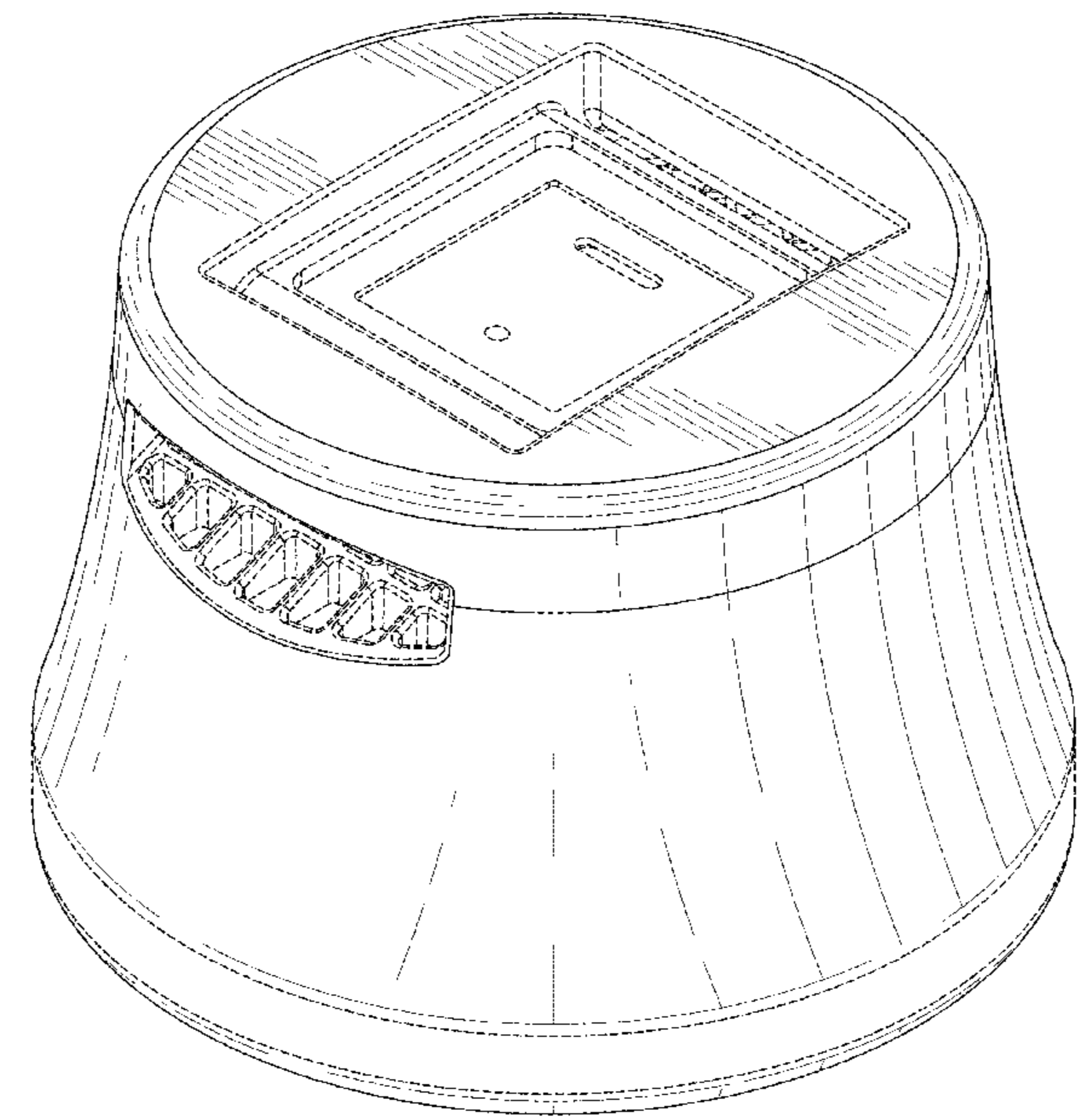
(56) **References Cited**
U.S. PATENT DOCUMENTS
2,711,766 A * 6/1955 Archer A45D 40/0068
220/62.18
D181,136 S * 10/1957 Frank D9/452
3,330,446 A * 7/1967 Grussen B05B 11/043
222/213
D208,475 S * 9/1967 Wood et al. D13/168
3,464,599 A * 9/1969 Meth B43L 25/00
222/589
D232,499 S * 8/1974 Martinelli D6/350
5,909,820 A * 6/1999 Yeh A47J 41/0016
220/711
D439,516 S * 3/2001 Bakic D9/440
D451,021 S * 11/2001 Berge D9/445
D483,671 S * 12/2003 Pinnavaia D9/500
D505,074 S * 5/2005 Bakic D9/504
D506,390 S * 6/2005 Bakic D9/449
(Continued)

Primary Examiner — Susan Moon Lee
(74) *Attorney, Agent, or Firm* — Xsensus LLP

(57) **CLAIM**
The ornamental design for an activity sensor for animals, as shown and described.

DESCRIPTION
FIG. 1 is a front, top, and left side perspective view of an activity sensor for animals;
FIG. 2 is a front elevational view thereof, the rear elevational view being a mirror image of the front elevational view;
FIG. 3 is a left side elevational view thereof, the right side elevational view being a mirror image of the left side elevational view;
FIG. 4 is a top plan view thereof; and,
FIG. 5 is a bottom plan view thereof.
The broken lines shown in the figures are for the purpose of illustrating portions of the activity sensor for animals that form no part of the claimed design.

1 Claim, 5 Drawing Sheets



(56)

References Cited

U.S. PATENT DOCUMENTS

D519,322 S *	4/2006	Hutton	D11/143	D781,798 S *	3/2017	Klepper	D14/125
D519,942 S *	5/2006	Krozack	D13/174	D784,271 S *	4/2017	Burke	D13/168
D524,161 S *	7/2006	Sauer	D28/82	D786,200 S *	5/2017	Lagerstedt	D13/168
D531,041 S *	10/2006	Sauer	D9/529	D792,374 S *	7/2017	Kim	D14/204
D567,090 S *	4/2008	Swint	D9/504	D806,709 S *	1/2018	Gummalla	D14/358
D584,290 S *	1/2009	Lee	D14/216	D807,595 S *	1/2018	Valle	D30/199
D595,136 S *	6/2009	Canamasas Puigbo	D9/504	D816,046 S *	4/2018	Kiong	D13/162
D602,971 S *	10/2009	Lee	D16/235	D829,689 S *	10/2018	Kim	D14/216
D606,979 S *	12/2009	Henry	D14/218	D831,595 S *	10/2018	Mittleman	D13/183
D608,198 S *	1/2010	Lohrman	D9/449	D834,002 S *	11/2018	Bergfeldt	D14/218
D616,304 S *	5/2010	Prunier	D9/504	D840,009 S *	2/2019	Suarez	D23/328
D618,098 S *	6/2010	Casey	D9/447	D840,226 S *	2/2019	Furner	D9/445
D625,295 S *	10/2010	Nogueira	D14/218	D843,835 S *	3/2019	Staab	D9/504
D644,926 S *	9/2011	Davis	D9/448	D843,980 S *	3/2019	Yang	D14/230
D646,824 S *	10/2011	Bembridge	D26/67	D846,598 S *	4/2019	Wang	D14/496
D651,900 S *	1/2012	Ashiwa	D9/504	D847,373 S *	4/2019	Hurwit	D24/231
D657,675 S *	4/2012	Averill	D9/454	D847,788 S *	5/2019	Baker	D14/217
D668,509 S *	10/2012	Beugelsdijk	D7/615	D848,292 S *	5/2019	Laurans	D10/70
D678,243 S *	3/2013	McManigal	D14/214	D849,916 S *	5/2019	Wen	D23/366
D685,074 S *	6/2013	Caroen	D23/366	D853,547 S *	7/2019	Avidor	D23/366
D689,181 S *	9/2013	Irvin	D23/366	D855,583 S *	8/2019	Capecelatro	D14/216
D689,664 S *	9/2013	Dietvorst	D32/75	D856,316 S *	8/2019	Yang	D14/230
D691,587 S *	10/2013	Ferber	D14/216	D864,371 S *	10/2019	Chen	D23/366
D691,965 S *	10/2013	Bedolla	D13/162	D864,929 S *	10/2019	Laurans	D14/240
D693,628 S *	11/2013	Tavener	D7/392.1	D865,525 S *	11/2019	Staab	D9/504
D709,761 S *	7/2014	Sanders	D9/445	D865,709 S *	11/2019	Gentle	D14/209
D714,248 S *	9/2014	Chang	D14/140	D865,716 S *	11/2019	Kuang	D14/216
D717,123 S *	11/2014	Epstein	D7/603	D868,031 S *	11/2019	Ryu	D14/216
D719,146 S *	12/2014	Herbst	D14/253	D873,400 S *	1/2020	Nykowski	D23/364
D721,587 S *	1/2015	Bos	D9/500	D875,079 S *	2/2020	Luo	D14/216
D724,945 S *	3/2015	Davis	D9/447	D880,670 S *	4/2020	Mecker	D23/366
8,978,999 B2 *	3/2015	Lesniak	A61L 9/12 239/57	D881,161 S *	4/2020	Chen	D14/216
D729,924 S *	5/2015	Hsiao	D23/366	D886,772 S *	6/2020	Xiong	D14/204
D731,465 S *	6/2015	Khubani	D14/216	D886,774 S *	6/2020	Chang	D14/204
D732,653 S *	6/2015	Hsiao	D23/366	D886,786 S *	6/2020	Chen	D14/204
D733,382 S *	6/2015	Bos	D32/75	D887,390 S *	6/2020	Weiss	D14/204
D739,741 S *	9/2015	Staab	D9/504	D889,434 S *	7/2020	Xie	D14/216
D745,400 S *	12/2015	Canuto	D9/503	D892,043 S *	8/2020	Raghunathan	D13/108
D747,417 S *	1/2016	Cho	D21/324	D900,788 S *	11/2020	Wang	D14/216
D750,492 S *	3/2016	Campbell	D9/448	D902,884 S *	11/2020	Wang	D14/204
D758,304 S *	6/2016	Wright	D13/107	D906,811 S *	1/2021	Mandell	D9/453
D764,097 S *	8/2016	Hamel	D26/128	D908,001 S *	1/2021	Pinard	D9/454
9,414,511 B2 *	8/2016	Roche	H05K 5/06	D914,188 S *	3/2021	Kaye	D23/366
D771,439 S *	11/2016	Miller	D7/523	D919,598 S *	5/2021	Laurans	D14/216
D772,391 S *	11/2016	Zimmerli	D23/366	D920,491 S *	5/2021	Jaanus	D23/364
D777,311 S *	1/2017	Chen	D23/370	D927,448 S *	8/2021	Zhang	D14/204
D778,733 S *	2/2017	Eberlein	D9/741	D928,700 S *	8/2021	Kim	D13/107
				D930,133 S *	9/2021	Jung	D23/364
				2013/0271014 A1 *	10/2013	Dasaratha	E01F 9/559 315/158

* cited by examiner

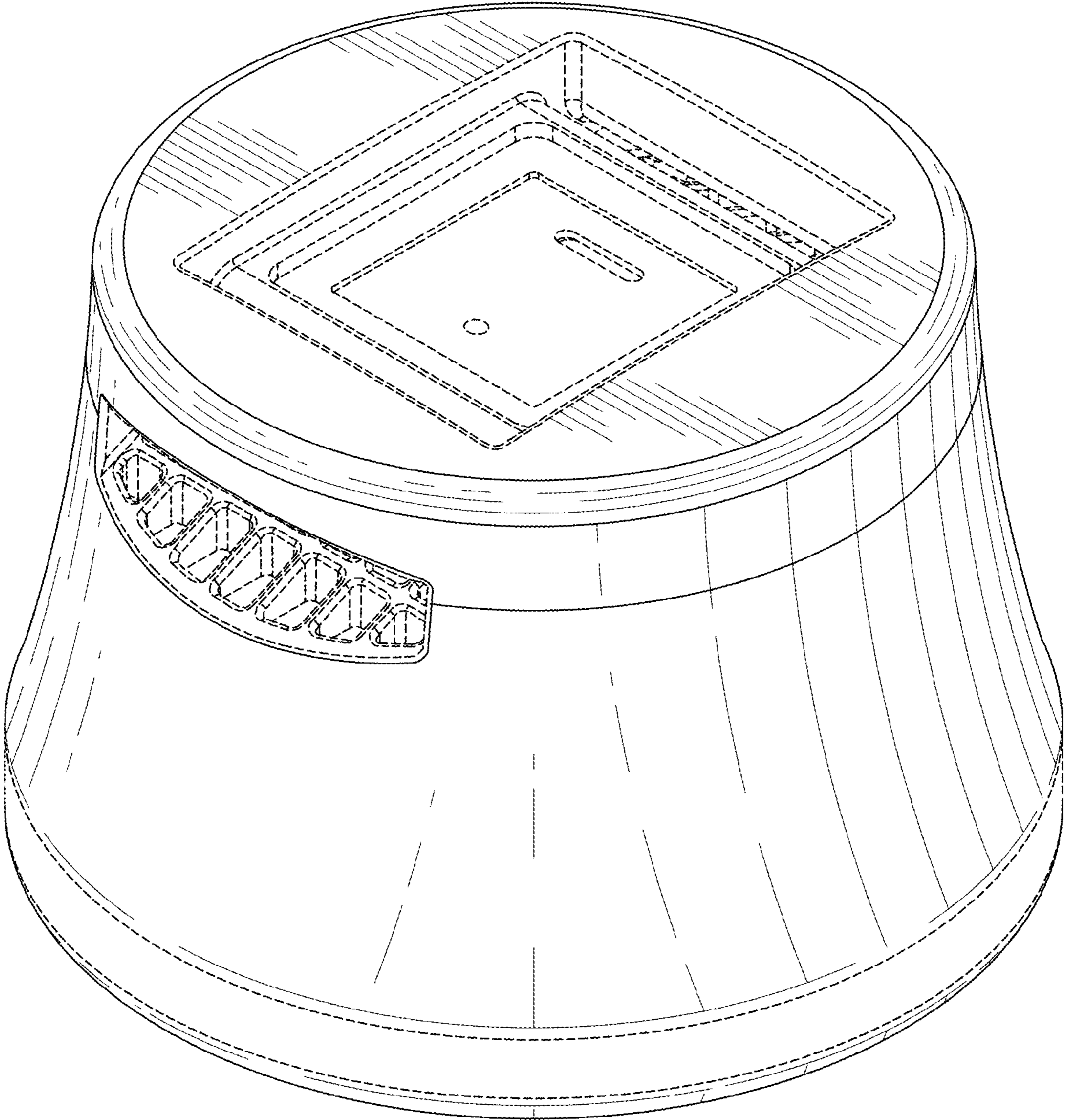


FIG. 1

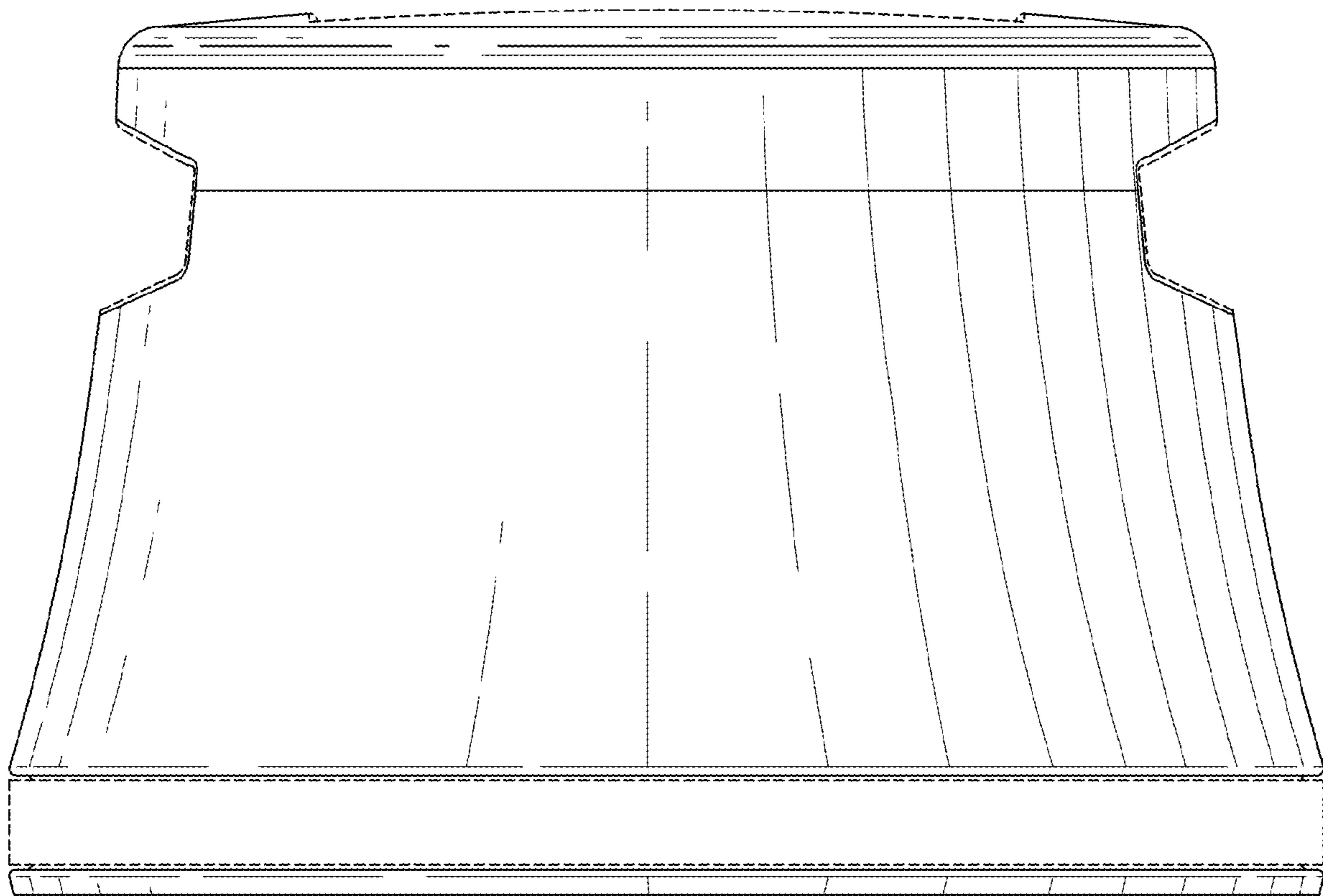


FIG. 2

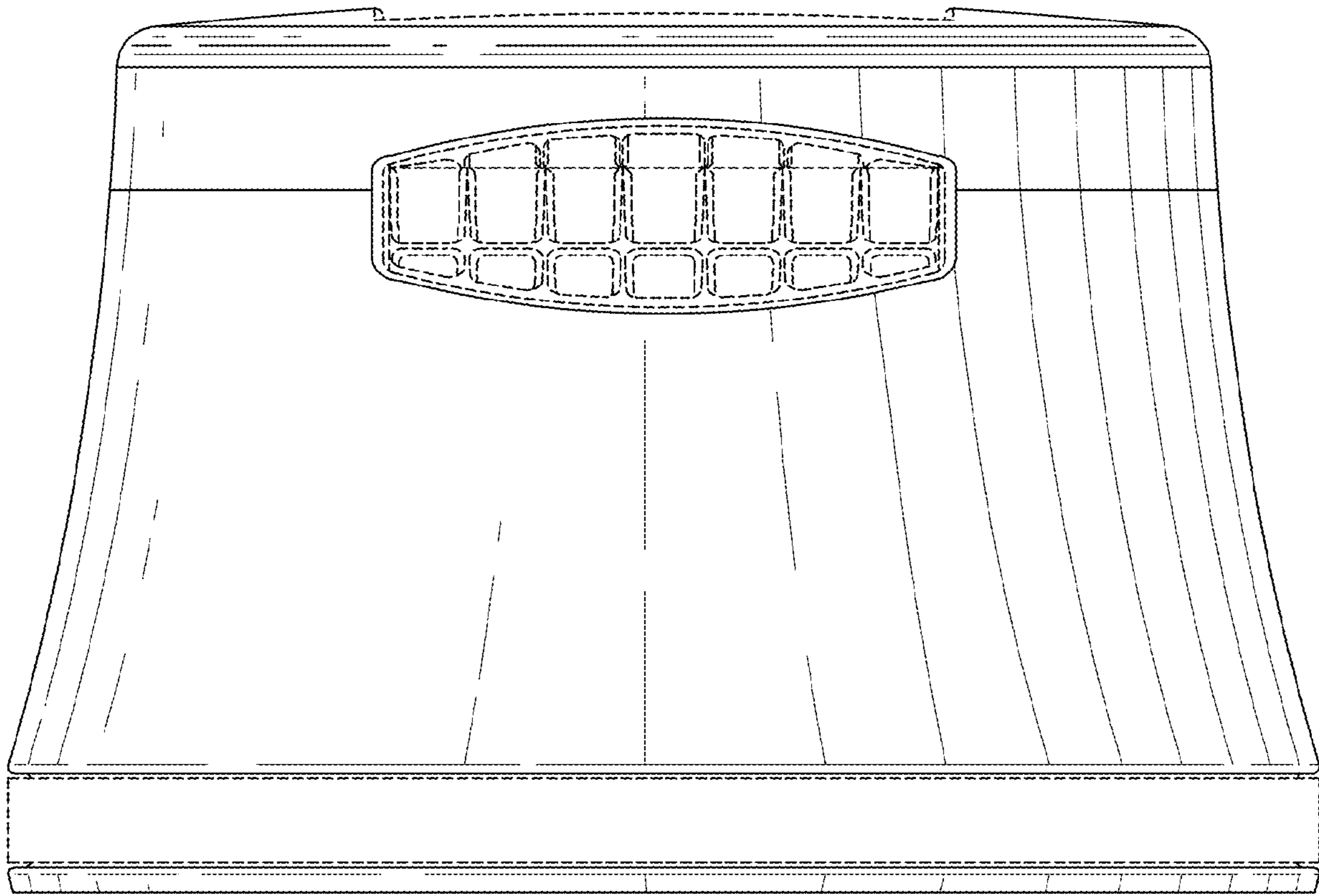


FIG. 3

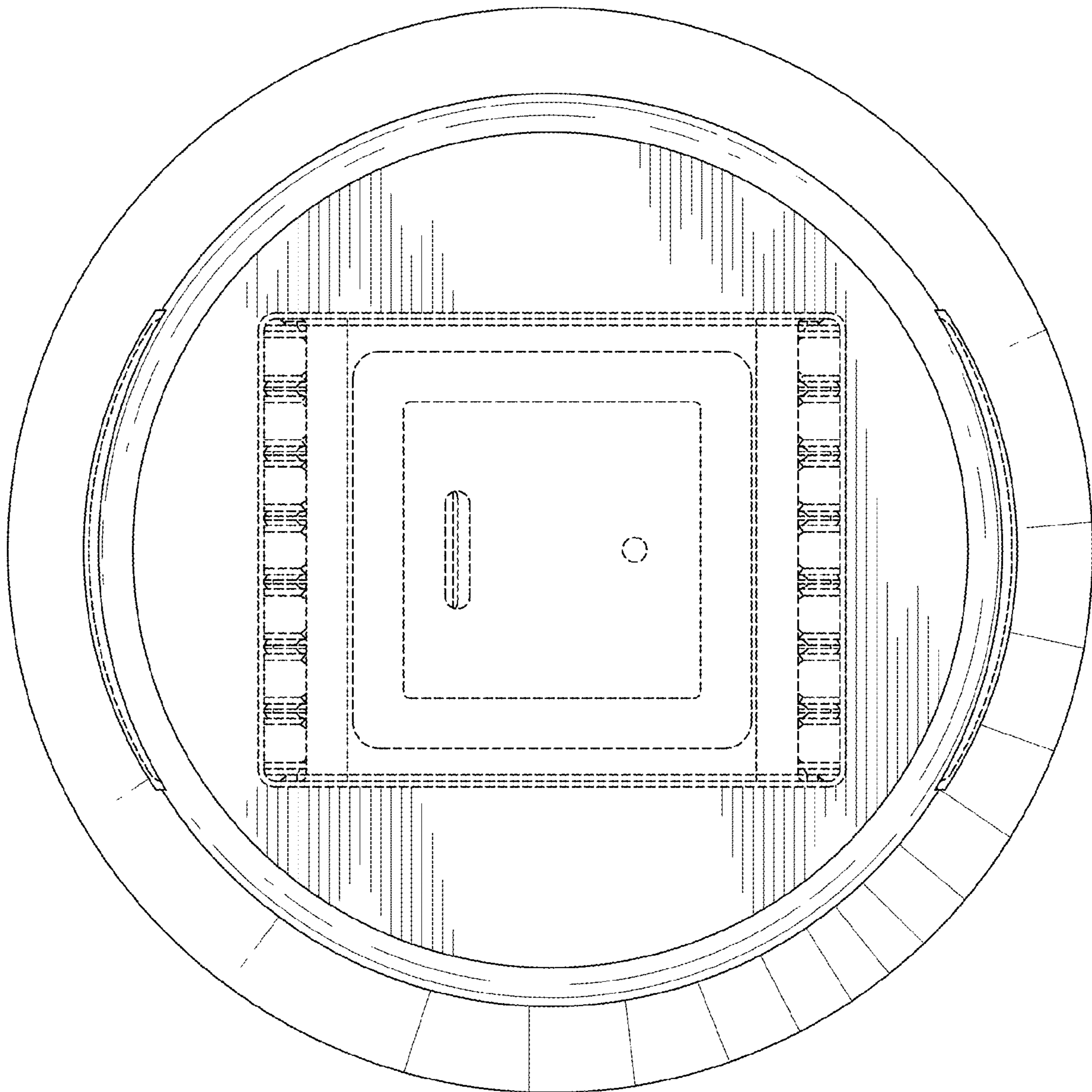


FIG. 4

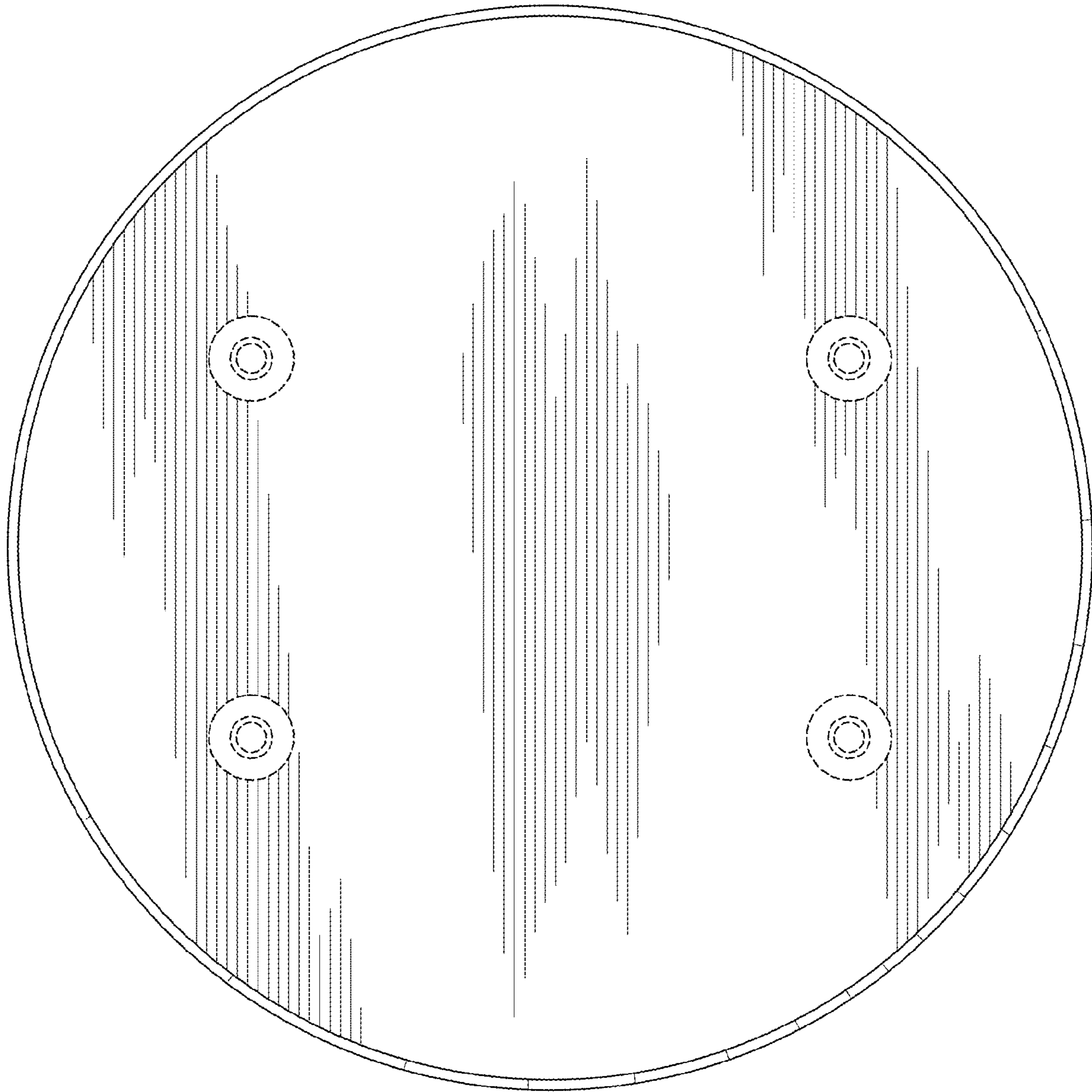


FIG. 5