



US0D1058813S

(12)

United States Design Patent

Simmons et al.

(10)

Patent No.:

US D1,058,813 S

(45)

Date of Patent:

** *Jan. 21, 2025

(54) ANALYTE SENSOR DEVICE

(71) Applicant: ABBOTT DIABETES CARE INC.,
Alameda, CA (US)

(72) Inventors: Matthew Simmons, Pleasanton, CA (US); Peter Robinson, Alamo, CA (US); Vivek Rao, Alameda, CA (US); Vincent DiPalma, Oakland, CA (US); Philip W. Carter, Oakland, CA (US); Michelle Hwang, San Jose, CA (US)

(73) Assignee: ABBOTT DIABETES CARE INC.,
Alameda, CA (US)

(*) Notice: This patent is subject to a terminal disclaimer.

(**) Term: 15 Years

(21) Appl. No.: 29/942,003

(22) Filed: May 13, 2024

Related U.S. Application Data

(63) Continuation of application No. 29/843,131, filed on Jun. 17, 2022, which is a continuation of application (Continued)

(51) LOC (15) Cl. 24-02

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

(58) Field of Classification Search
USPC D24/107, 164–165, 167–170, 186–187; D10/75, 81

(Continued)

(56) References Cited

U.S. PATENT DOCUMENTS

4,573,994 A 3/1986 Fischell et al.
5,569,186 A 10/1996 Lord et al.

(Continued)

FOREIGN PATENT DOCUMENTS

CA 215390 * 5/2023
CA 200201 * 6/2023

(Continued)

OTHER PUBLICATIONS

FreeStyle Libre 2 Continuous Glucose Monitor | Abbott U.S., posted date unavailable [retrieved online Jul. 18, 2024]. Retrieved from internet, <https://www.abbott.com/freestyle-libre-2-continuous-glucose-monitor-cgm.html> (Year: 2024).*

(Continued)

Primary Examiner — Lilyana Bekic

Assistant Examiner — Samantha K Pollack

(74) Attorney, Agent, or Firm — McAndrews Held & Malloy, Ltd.

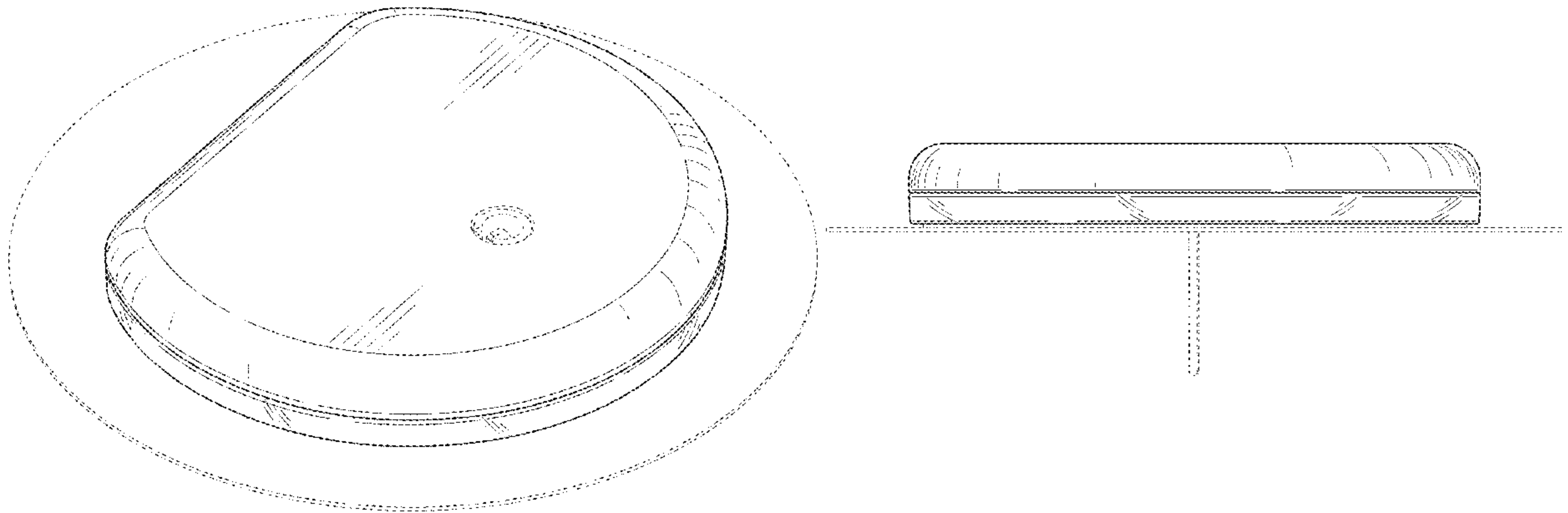
(57) CLAIM

The ornamental design for an analyte sensor device, as shown and described.

DESCRIPTION

FIG. 1 is a top perspective view of an analyte sensor device showing our new design;
FIG. 2 is a top plan view thereof;
FIG. 3 is a bottom plan view thereof;
FIG. 4 is a front elevation view thereof;
FIG. 5 is a rear elevation view thereof;
FIG. 6 is a right side elevation view thereof;
FIG. 7 is a left side elevation view thereof;
FIG. 8 is a bottom perspective view thereof;
FIG. 9 is an exploded bottom perspective view thereof; showing the adhesive removed for clarity of illustration; and,
FIG. 10 is an exploded bottom plan view thereof, showing the adhesive positioned to the side for clarity of illustration. The evenly dashed broken lines in the figures showing an adhesive illustrate environment that forms no part of the claimed design. The remaining evenly dashed broken lines

(Continued)



in the figures illustrate portions of the analyte sensor device that form no part of the claimed design.

1 Claim, 8 Drawing Sheets

Related U.S. Application Data

No. 29/763,196, filed on Dec. 21, 2020, now Pat. No. Des. 1,002,852, which is a continuation-in-part of application No. 16/433,931, filed on Jun. 6, 2019.

(58) **Field of Classification Search**
CPC A61B 5/14532; A61B 2560/0412; A61B 2560/0462
See application file for complete search history.

(56) **References Cited**

U.S. PATENT DOCUMENTS

5,711,861	A	1/1998	Ward et al.
5,800,420	A	9/1998	Gross et al.
5,807,375	A	9/1998	Gross et al.
5,814,020	A	9/1998	Gross
5,820,622	A	10/1998	Gross et al.
5,851,197	A	12/1998	Marano et al.
5,858,001	A	1/1999	Tsals et al.
5,957,854	A	9/1999	Besson et al.
5,964,993	A	10/1999	Blubaugh, Jr. et al.
5,997,501	A	12/1999	Gross et al.
6,175,752	B1	1/2001	Say et al.
6,186,982	B1	2/2001	Gross et al.
6,212,416	B1	4/2001	Ward et al.
6,484,045	B1	11/2002	Holker et al.
6,561,978	B1	5/2003	Conn et al.
6,562,001	B2	5/2003	Lebel et al.
6,564,105	B2	5/2003	Starkweather et al.
6,790,178	B1	9/2004	Mault et al.
6,953,589	B1	10/2005	Trautman et al.
7,134,999	B2	11/2006	Brauker et al.
7,163,511	B2	1/2007	Conn et al.
7,329,239	B2	2/2008	Safabash et al.
7,699,807	B2	4/2010	Faust
8,486,003	B2	7/2013	Nielsen
8,696,570	B2	4/2014	Yodfat
8,734,391	B2	5/2014	Yodfat
8,747,363	B2	6/2014	Nielsen
8,864,664	B2	10/2014	Frey
8,971,981	B2	3/2015	Yodfat
9,072,476	B2	7/2015	Shah
9,439,599	B2	9/2016	Thompson
9,610,127	B2	4/2017	Heck
D798,170	S	9/2017	Toth
D815,289	S *	4/2018	Evers D24/169
10,448,872	B2	10/2019	Wolfe
D882,432	S *	4/2020	Yee C12Q 1/001 D24/186
10,827,954	B2	11/2020	Hoss
10,959,654	B2	3/2021	Curry
10,973,449	B2	4/2021	Stafford
D962,446	S *	8/2022	Bernstein A61B 5/14532 D24/169
D974,564	S *	1/2023	Stafford A61M 5/14244 D24/169
D1,012,744	S *	1/2024	Morelock D24/186
D1,013,544	S *	2/2024	Morelock D24/186
2003/0100040	A1	5/2003	Bonnecaze et al.
2003/0144581	A1	7/2003	Conn et al.
2003/0187338	A1	10/2003	Say et al.
2004/0116865	A1	6/2004	Bengtsson
2004/0116866	A1	6/2004	Gorman et al.
2004/0193090	A1	9/2004	Lebel et al.
2005/0090725	A1	4/2005	Page et al.

2005/0267440	A1	12/2005	Herman
2006/0036140	A1	2/2006	Brister et al.
2007/0163880	A1	7/2007	Woo et al.
2007/0173706	A1	7/2007	Neinast et al.
2007/0203966	A1	8/2007	Brauker et al.
2007/0213611	A1	9/2007	Simpson et al.
2007/0235331	A1	10/2007	Simpson et al.
2008/0021666	A1	1/2008	Goode et al.
2008/0033254	A1	2/2008	Kamath et al.
2008/0139903	A1	6/2008	Bruce
2008/0249383	A1	10/2008	Sass
2010/0113897	A1	5/2010	Brenneman
2010/0121306	A1	5/2010	Yodfat
2011/0082484	A1	4/2011	Saravia
2011/0124992	A1	5/2011	Brauker
2011/0184265	A1	7/2011	Hayter
2012/0095406	A1	4/2012	Gyrn
2012/0303043	A1	11/2012	Donnay
2013/0060107	A1	3/2013	Crane
2013/0137952	A1	5/2013	McCann
2014/0079051	A1	3/2014	Lakkis
2014/0107581	A1	4/2014	Safabash
2016/0174881	A1	6/2016	Taub
2016/0302707	A1	10/2016	Pesach
2019/0183393	A1	6/2019	Taub
2020/0329966	A1	10/2020	Valdes
2020/0352489	A1	11/2020	Hoppe
2021/0015411	A1	1/2021	Yee

FOREIGN PATENT DOCUMENTS

CA	220088	*	5/2024
EM	000810957-0001		11/2007
EM	003611714-0006		6/2017
EM	004054435-0001		9/2017
EM	004054435-0002		9/2017
EM	006588299-0005		9/2019
EM	006564522-0014	*	11/2020
GB	9003611714-0006		1/2017
GB	9004054435-0001		6/2017
GB	9004054435-0002		6/2017
GB	6063767		6/2019
GB	9006588299-0005		6/2019
JP	2017-202234		11/2017
JP	2020-151237		9/2020
JP	D1736033	*	2/2023
KR	3005366030000		8/2009
KR	300921418.0000		9/2017
WO	2004103170		12/2004
WO	2008105768		9/2008
WO	WOD214300-032	*	5/2021

OTHER PUBLICATIONS

FreeStyle Libre: A Glucose Meter Without a Fingerprick, posted May 27, 2024 [retrieved online Jul. 18, 2024]. Retrieved from internet, <https://www.verywellhealth.com/freestyle-libre-a-glucose-meter-without-a-finger-prick-4154266> (Year: 2024).*

Comfortable CGM Patches Kit Compatible for Freestyle Libre 2, posted date unavailable [retrieved online Jul. 18, 2024]. Retrieved from internet, <https://www.gosupps.com/comfortable-cgm-patches-kit-compatible-for-freestyle-libre-2-and-14-day-sensor-20-pcs-breathable-libre-adhesive-patches-and-2-pcs-soft-sensor-covers.html> (Year: 2024).*

Livongo Health to offer Freestyle Libre Pro CGM patch to some users | MobiHealthNews, posted Sep. 5, 2018 [retrieved online Jul. 18, 2024]. Retrieved from internet, <https://www.mobihealthnews.com/content/livongo-health-offer-freestyle-libre-pro-cgm-patch-some-users> (Year: 2018).*

Y's TV of a Gentle Physician, "[Demonstration by a doctor] How to wear a freestyle libre sensor" (Machine translation), published Dec. 4, 2018 at youtube.com: <https://www.youtube.com/watch?v=13RdHQtq_yg> (Last accessed Mar. 2, 2023).

* cited by examiner

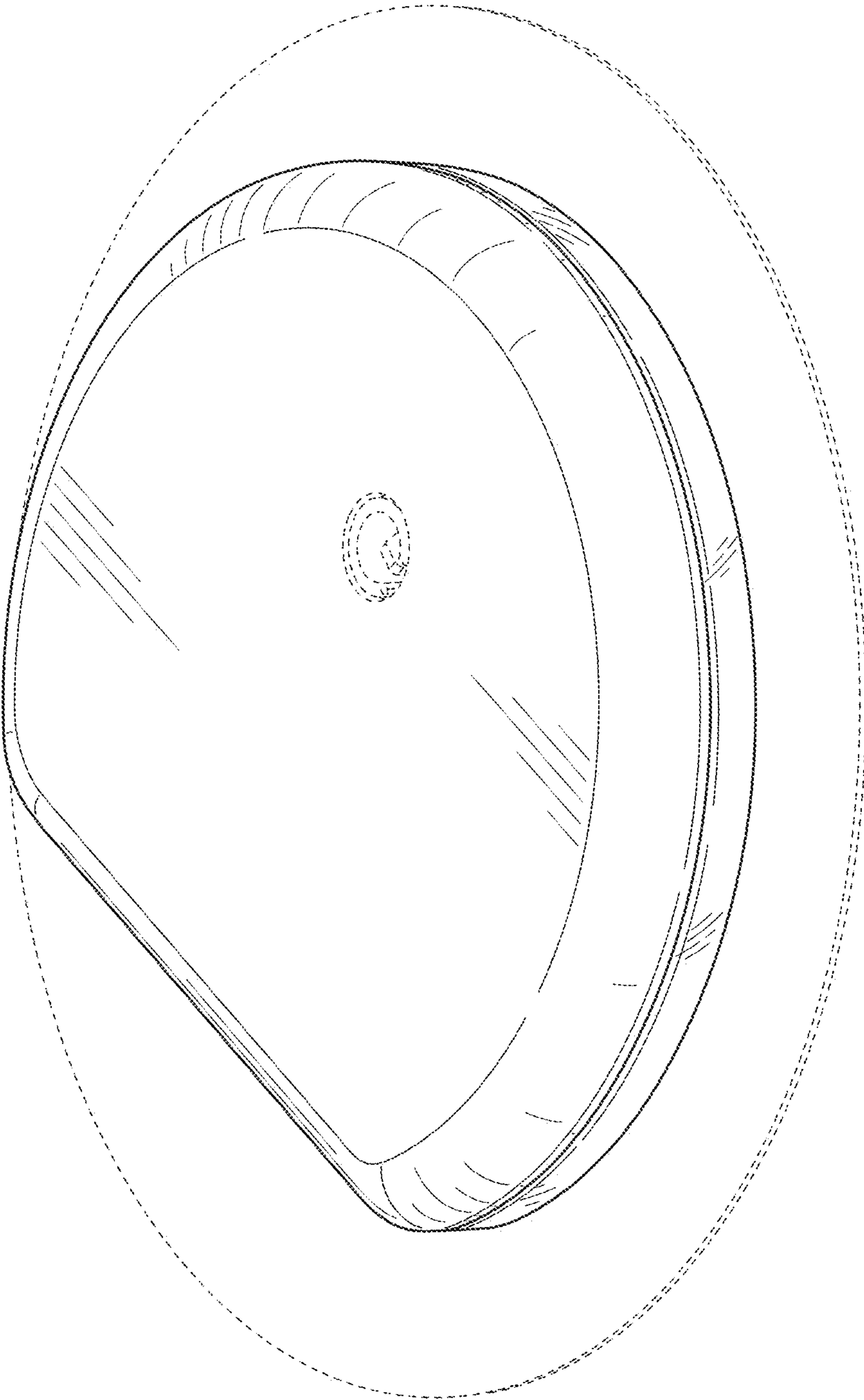


FIG. 1

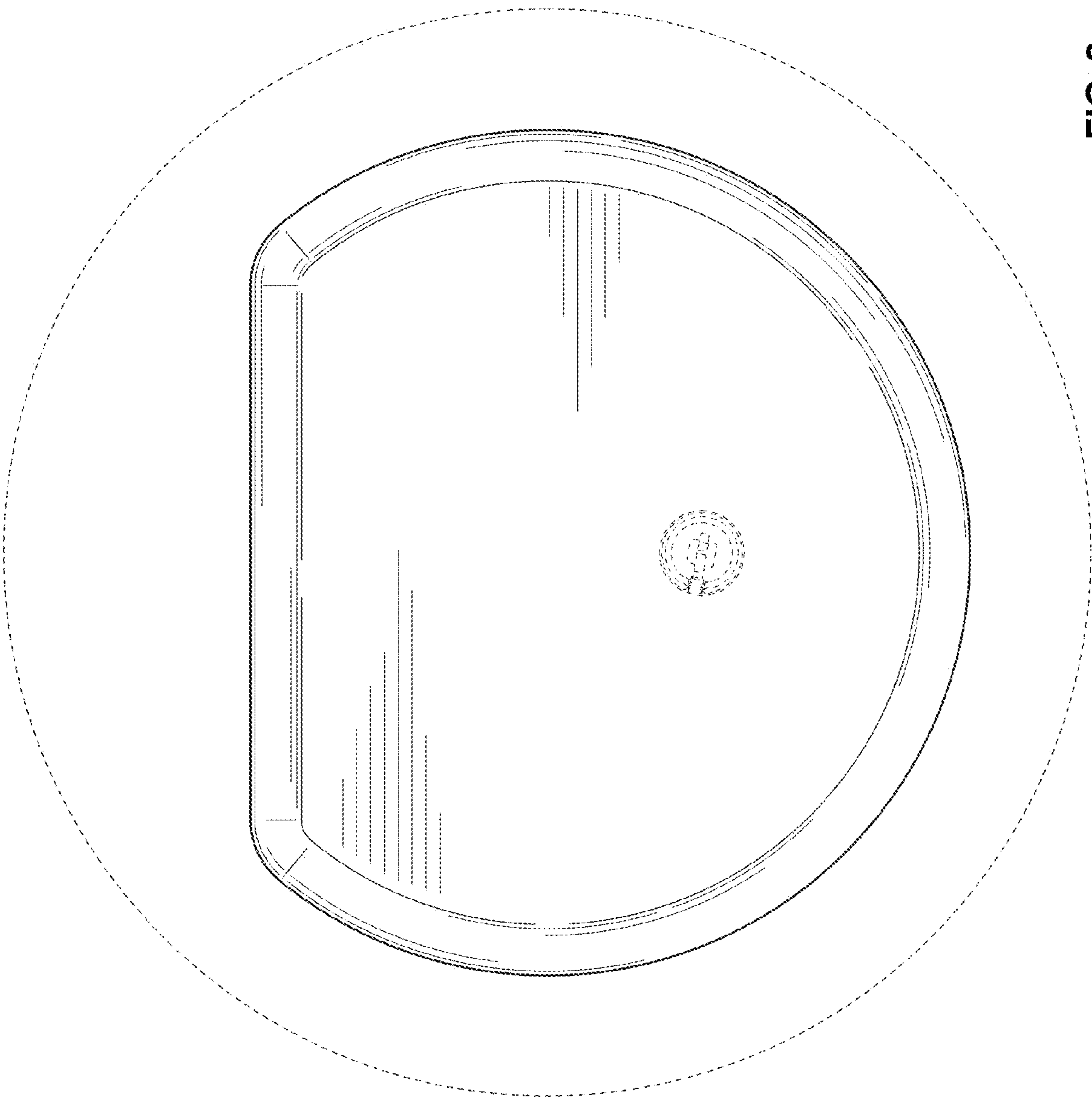


FIG. 2

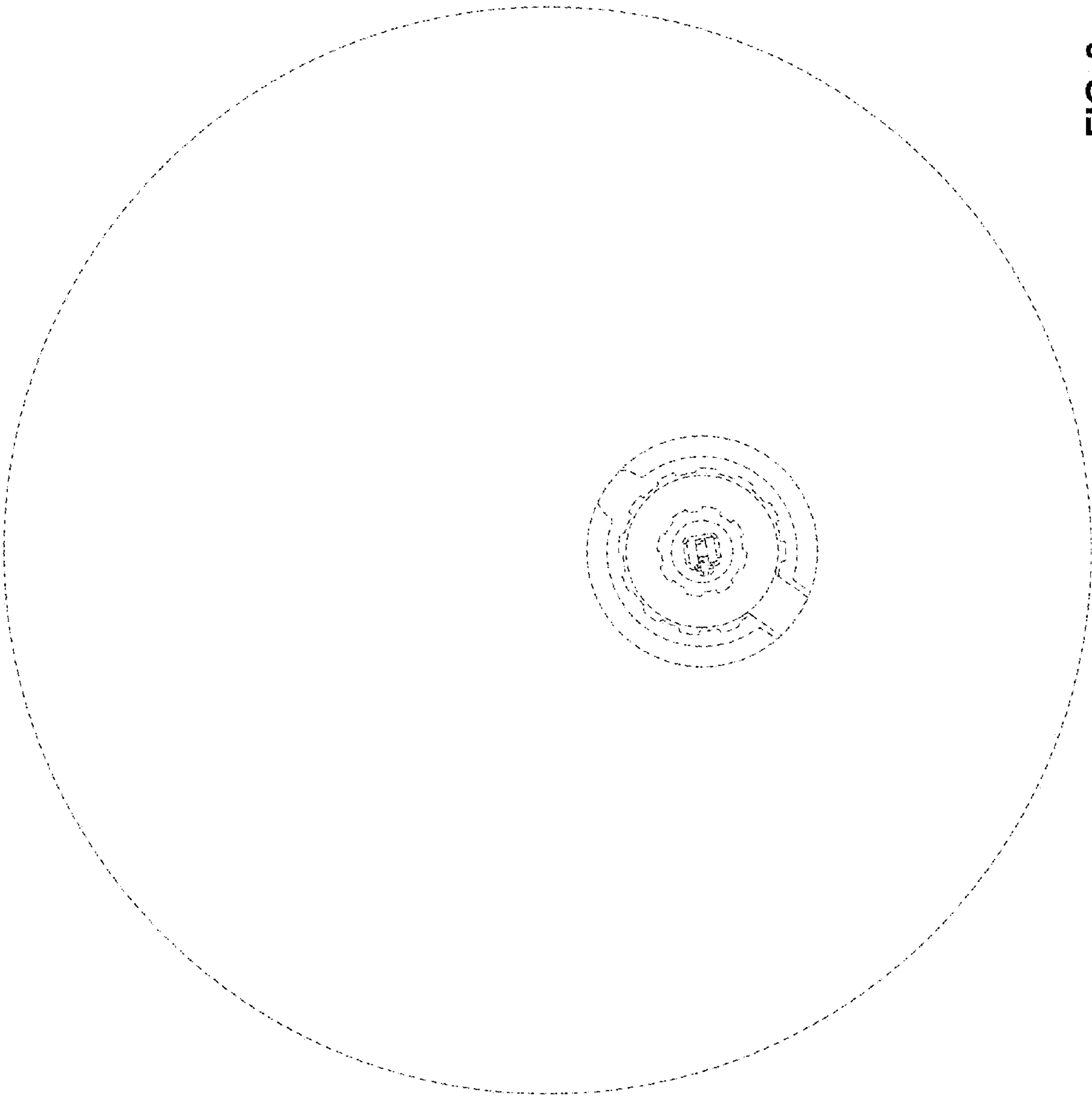


FIG. 3

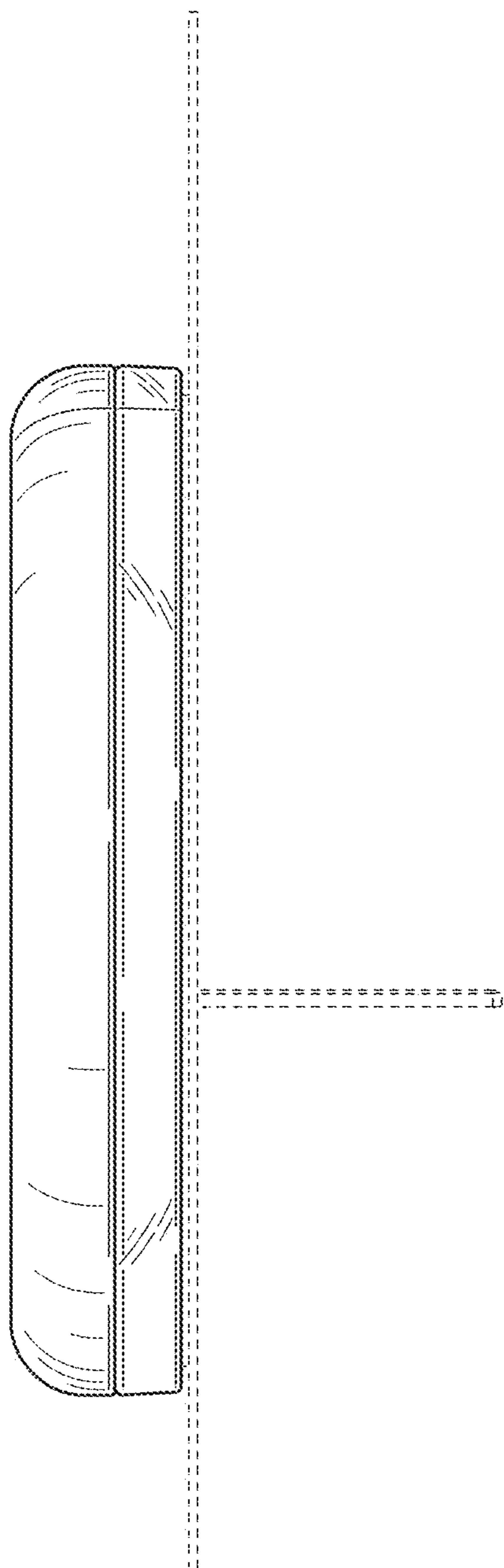


FIG. 4

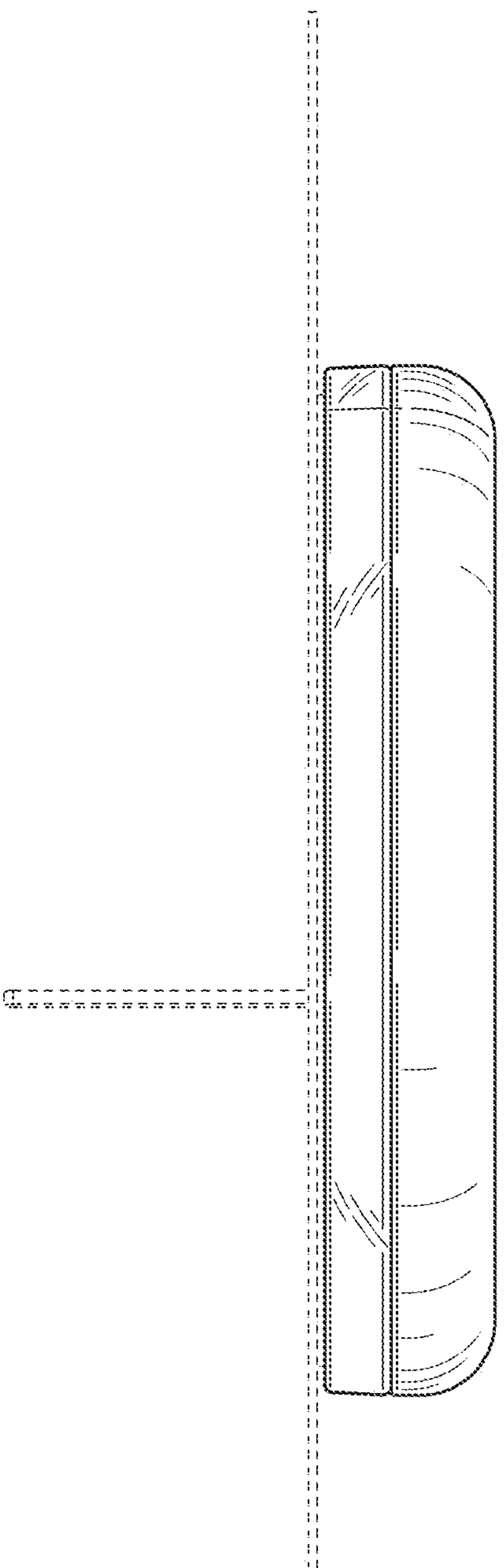


FIG. 5

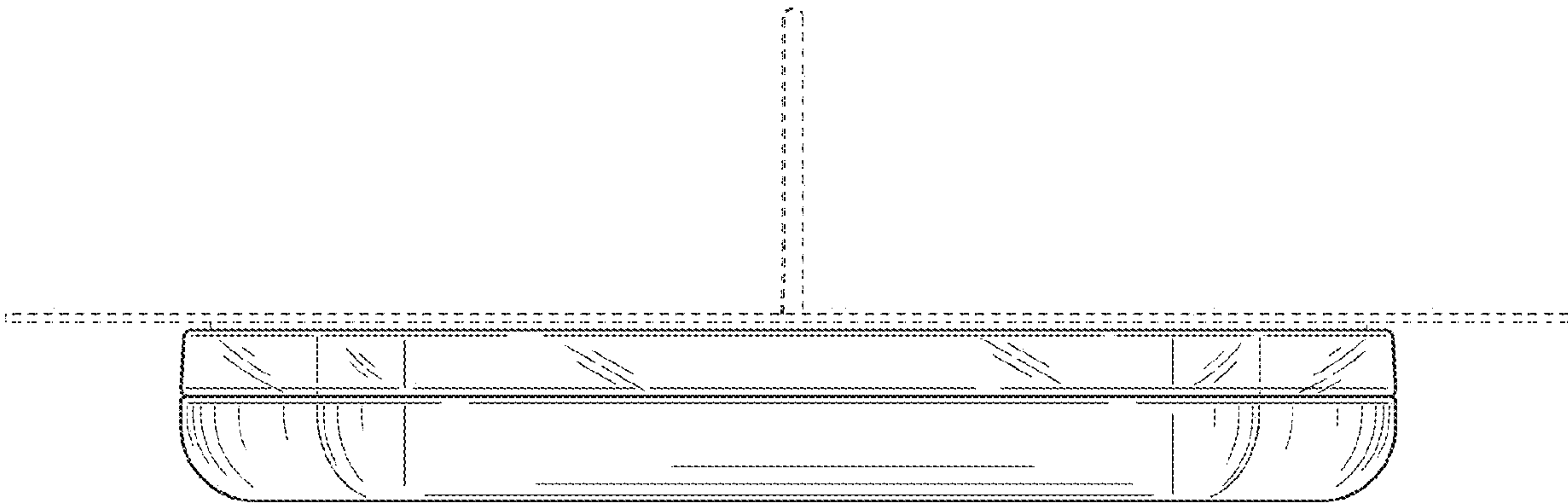


FIG. 6

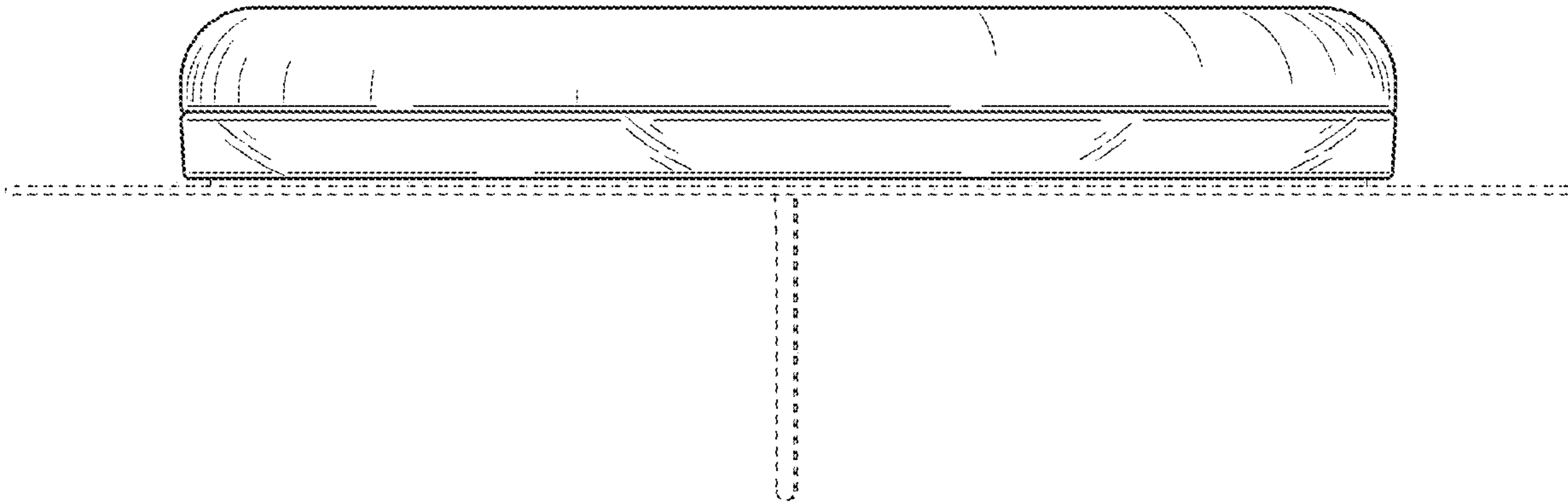


FIG. 7

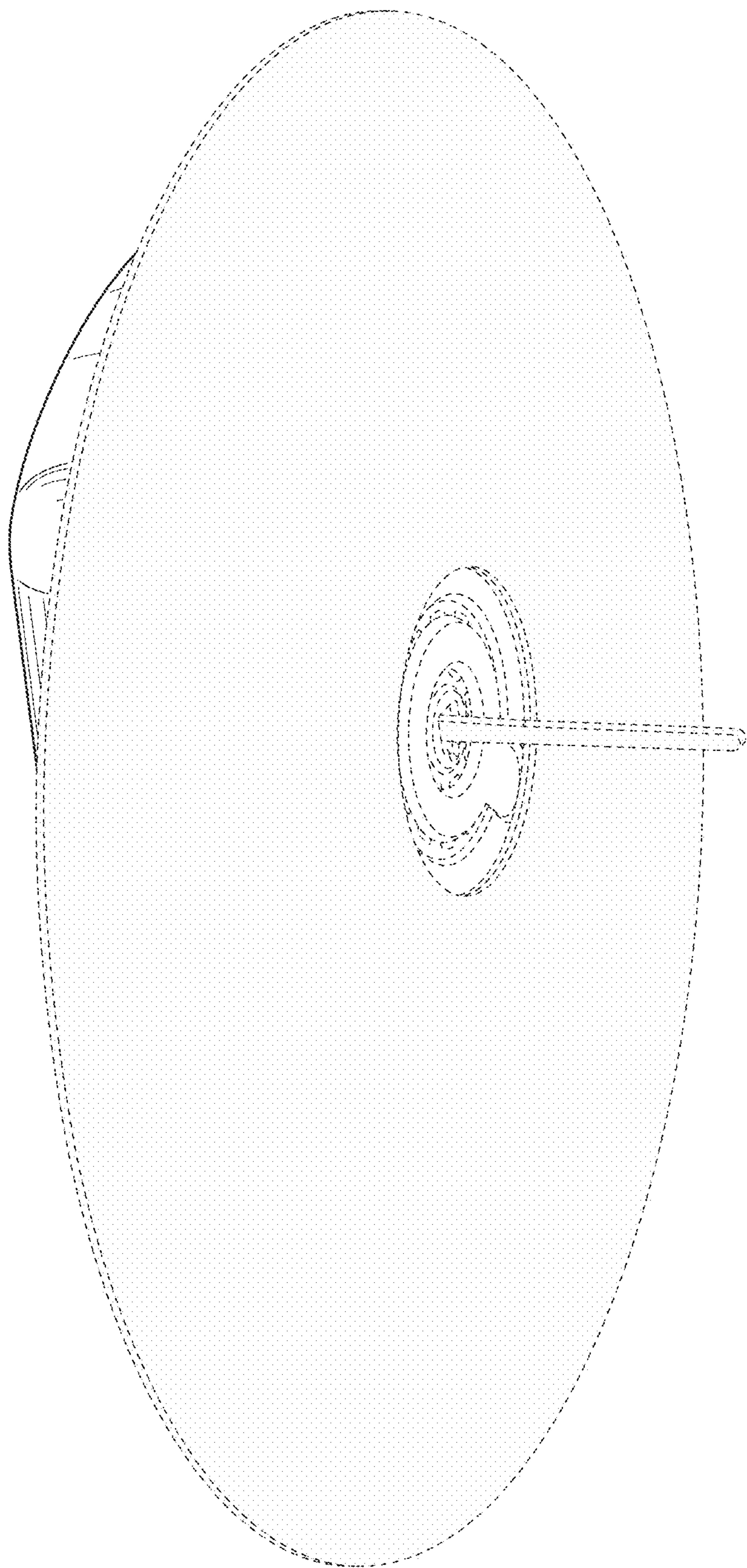
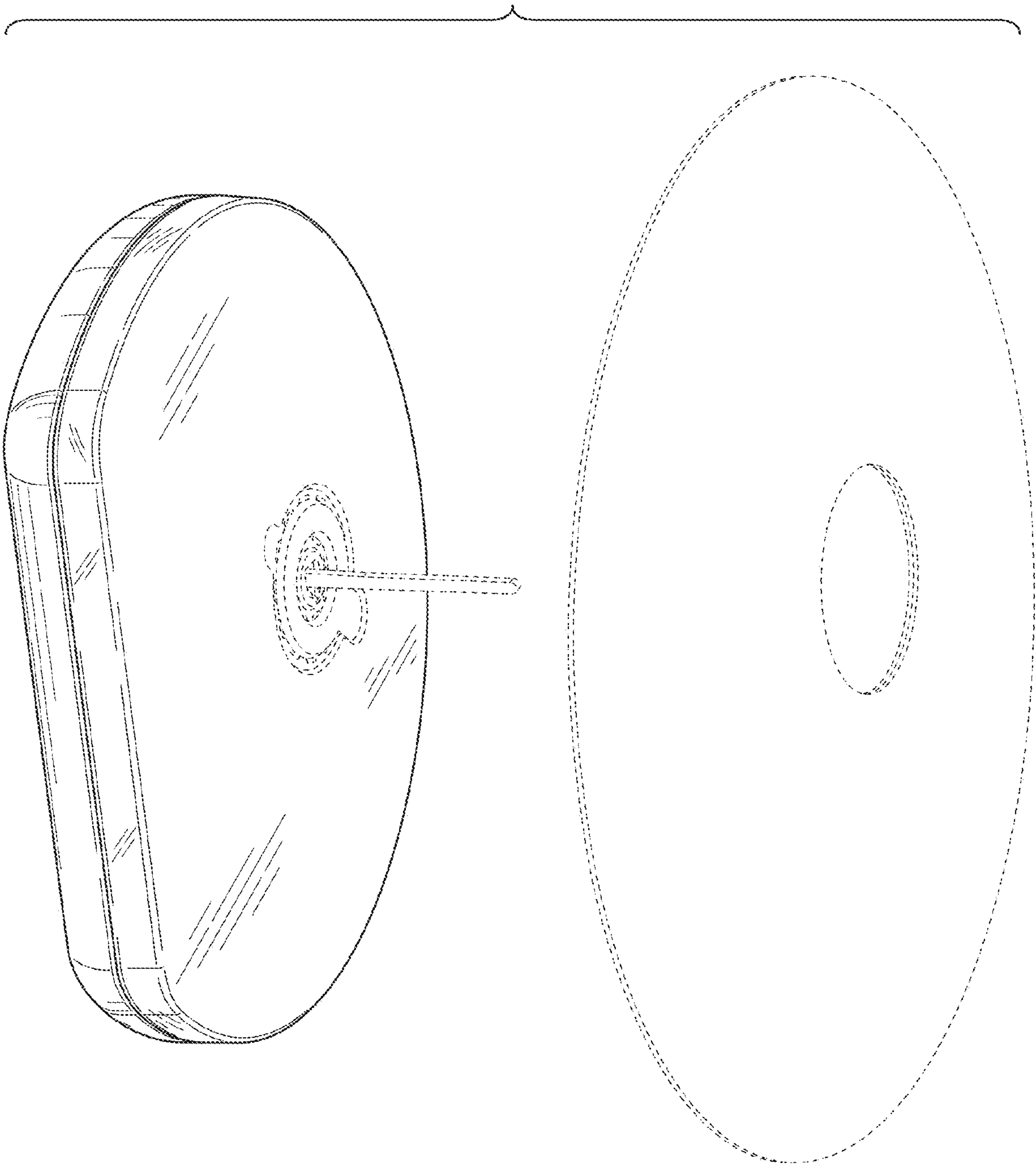


FIG. 8

FIG. 9



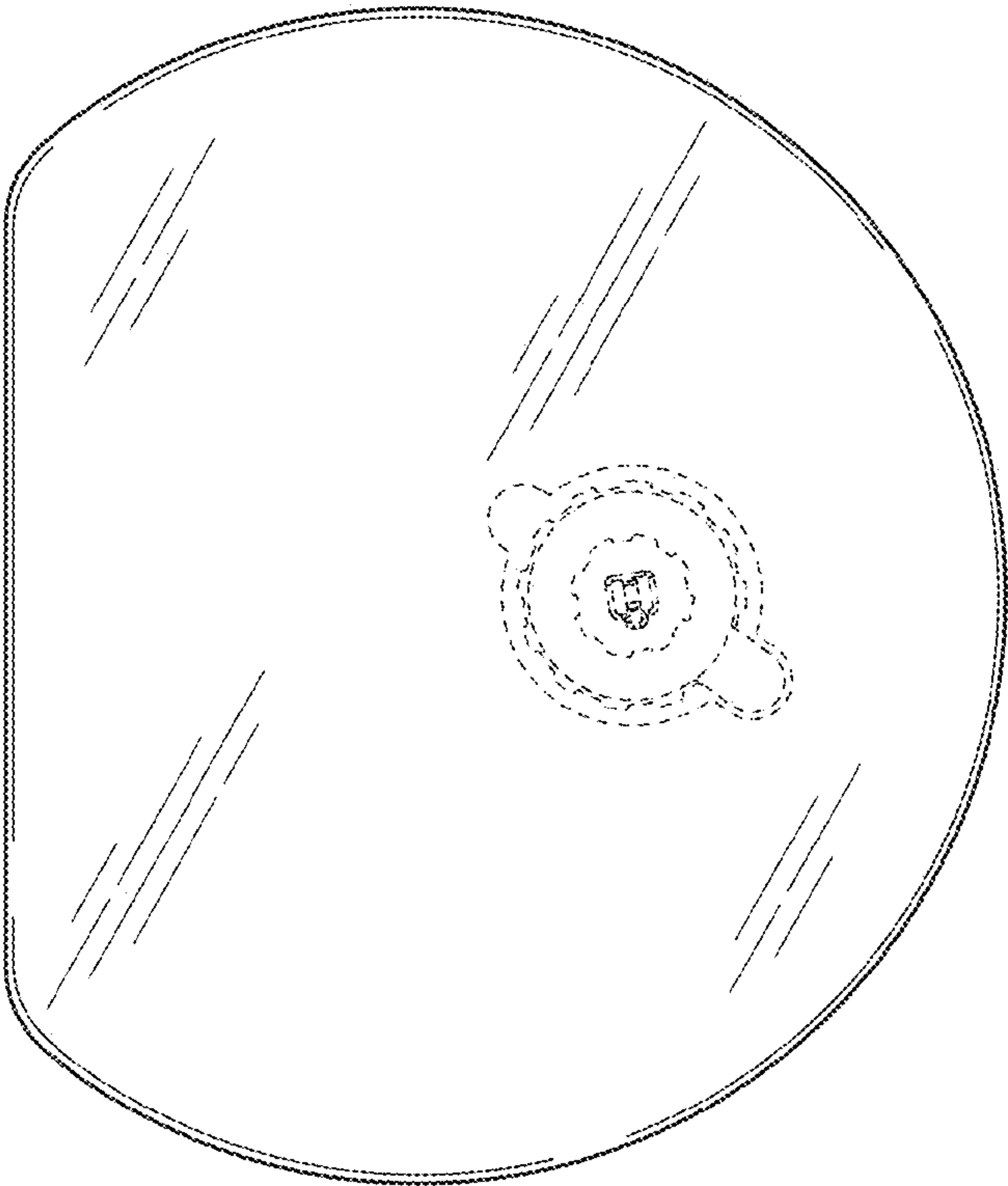
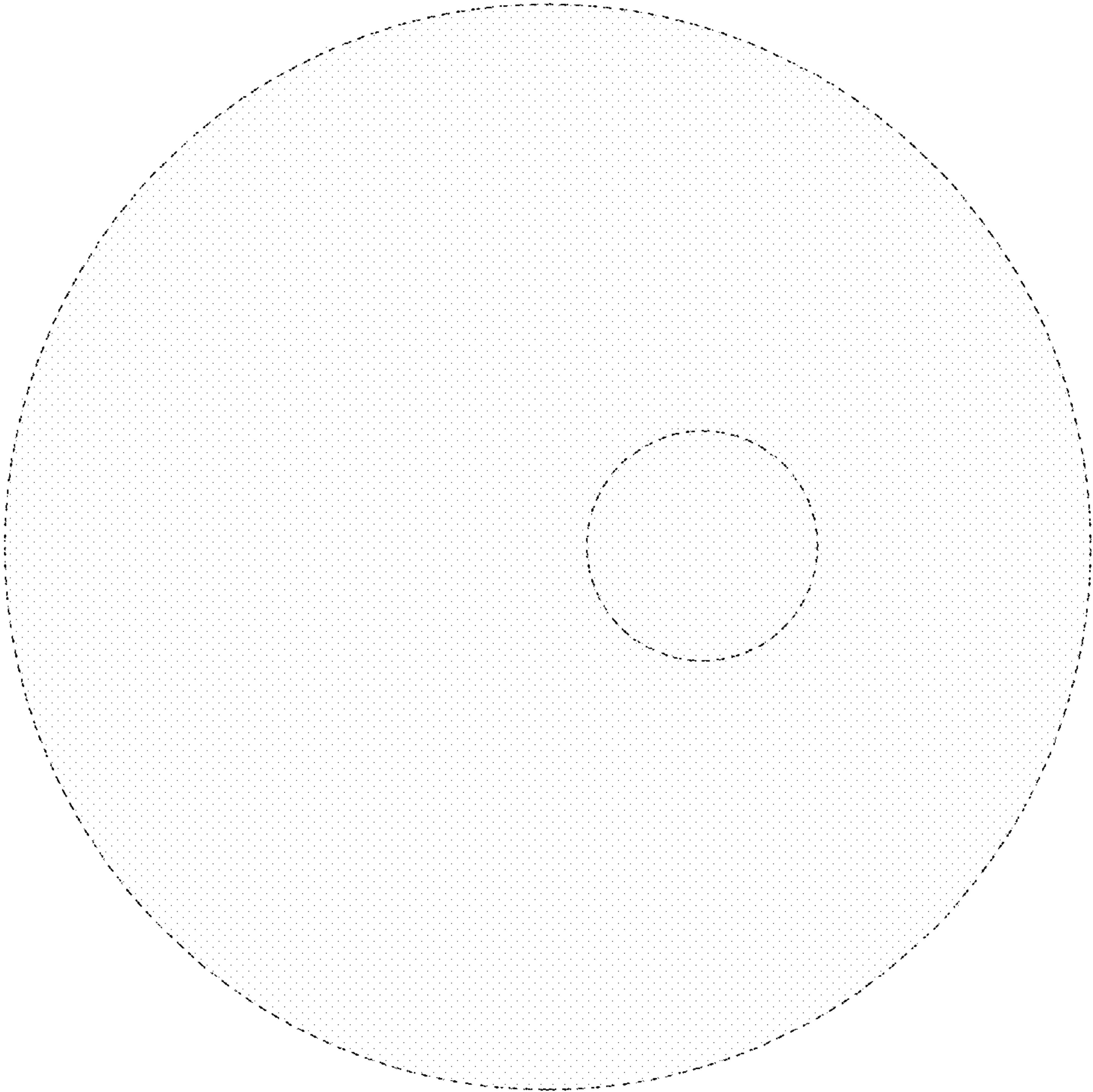


FIG. 10