



US00D831652S

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

(10) **Patent No.:** **US D831,652 S**
(45) **Date of Patent:** **** Oct. 23, 2018**

(54) **ANIMATED RESPONSIVE DISPLAY ON A JOYSTICK**

(71) Applicant: **Brunswick Corporation**, Lake Forest, IL (US)

(72) Inventors: **Ryan C. Abellera**, Fond du Lac, WI (US); **Todd D. Dannenberg**, Oshkosh, WI (US); **Mark W. Henker**, Fond du Lac, WI (US); **Yana V. Foltice**, Campbellsport, WI (US)

(73) Assignee: **Brunswick Corporation**, Mettawa, IL (US)

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

(21) Appl. No.: **29/536,886**

(22) Filed: **Aug. 20, 2015**

(51) **LOC (11) Cl.** **14-03**

(52) **U.S. Cl.**
USPC **D14/413; D12/317**

(58) **Field of Classification Search**
USPC D14/485-495, 412-416; D12/174, 317; D26/123, 124

(Continued)

(56) **References Cited**

U.S. PATENT DOCUMENTS

5,392,388 A * 2/1995 Gibson G06F 3/04845 345/684

D357,947 S 5/1995 Richer
(Continued)

OTHER PUBLICATIONS

BMW Technology Guide: iDrive, http://www.bmw.com/com/en/insights/technology/technology_guide/articles/idrive, website visited Jun. 10, 2015.

(Continued)

Primary Examiner — Richelle G Shelton

(74) *Attorney, Agent, or Firm* — Andrus Intellectual Property Law, LLP

(57) **CLAIM**

We claim the ornamental design for an animated responsive display on a joystick, as shown and described.

DESCRIPTION

FIG. 1 is a first image in a first sequence of an animated responsive display on a joystick showing our new design, when the joystick is in a first position;
FIG. 2 is a second image of the first sequence thereof, when the joystick is in a second position;
FIG. 3 is a third image of the first sequence thereof, when the joystick is in the second position;
FIG. 4 is a fourth image of the first sequence thereof, when the joystick is in the second position;
FIG. 5 is a fifth image of the first sequence thereof, when the joystick is in the second position;
FIG. 6 is a sixth image of the first sequence thereof, when the joystick is in the second position;
FIG. 7 is a seventh image of the first sequence thereof, when the joystick is in the second position;
FIG. 8 is an eighth image of the first sequence thereof, when the joystick is in the first position;
FIG. 9 is a ninth image of the first sequence thereof, when the joystick is in the first position;
FIG. 10 is a tenth image of the first sequence and a first image of a second sequence of an animated responsive display, when the joystick is in the first position;
FIG. 11 is a second image of the second sequence thereof, when the joystick is in a third position;
FIG. 12 is a third image of the second sequence thereof, when the joystick is in the third position;
FIG. 13 is a fourth image of the second sequence thereof, when the joystick is in the third position;
FIG. 14 is a fifth image of the second sequence thereof, when the joystick is in the third position;
FIG. 15 is a sixth image of the second sequence thereof, when the joystick is in the third position;
FIG. 16 is a seventh image of the second sequence thereof, when the joystick is in the third position;

(Continued)

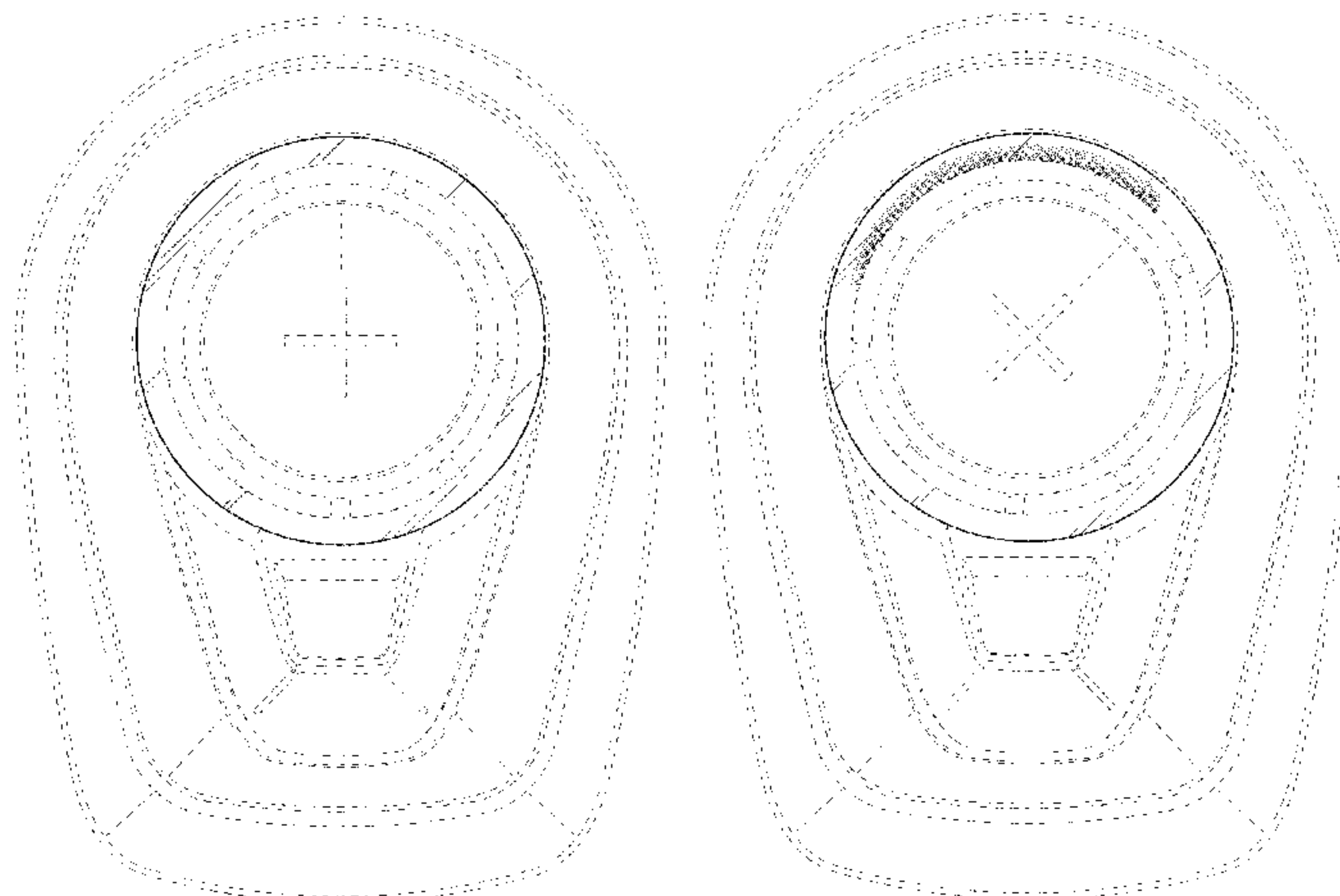


FIG. 17 is an eighth image of the second sequence thereof, when the joystick is in the first position;

FIG. 18 is a ninth image of the second sequence thereof, when the joystick is in the first position; and,

FIG. 19 is a tenth image of the second sequence, when the joystick is in the first position.

In a first embodiment, the appearance of the animated responsive display on a joystick sequentially transitions between the images shown in FIGS. 1-10. In a second embodiment, the appearance of the animated responsive display on a joystick sequentially transitions between images shown in FIGS. 10-19.

The period in which one image transitions to another forms no part of the claimed design.

The broken lines showing the remainder of the joystick are for environmental purposes only and form no part of the claimed design.

1 Claim, 10 Drawing Sheets

(58) **Field of Classification Search**

CPC G06T 13/00; G06T 13/80; G06F 3/04845;
B63H 2025/026; A63F 2009/2407
See application file for complete search history.

(56) **References Cited**

U.S. PATENT DOCUMENTS

D366,655	S	1/1996	Sanchez et al.	
5,982,355	A	11/1999	Jaeger et al.	
D444,785	S	7/2001	Whitehorn et al.	
D449,614	S	10/2001	Osborn et al.	
6,826,042	B2	11/2004	Oross et al.	
6,896,563	B1	5/2005	Dickson	
D558,767	S	1/2008	Solland	
D573,936	S *	7/2008	Jin	D12/317
D598,023	S	8/2009	Miller et al.	
D599,829	S	9/2009	Jorgensen et al.	

8,060,265	B2	11/2011	Hallenstvedt et al.	
D676,457	S *	2/2013	Frost	D14/488
D693,346	S	11/2013	Coulter	
D698,357	S	1/2014	Mainville et al.	
8,700,238	B2	4/2014	Hiramatsu	
8,925,414	B1	1/2015	Park et al.	
D722,325	S *	2/2015	Williams	D14/489
D724,621	S *	3/2015	Rydenhag	D14/489
D727,928	S *	4/2015	Allison	D14/485
D739,872	S *	9/2015	Bang	D14/488
D741,898	S *	10/2015	Soegiono	D14/488
D744,500	S *	12/2015	Lee	D14/485
D750,125	S *	2/2016	Yang	D14/488
D752,072	S *	3/2016	Song	D14/486
D762,716	S *	8/2016	Yang	D14/489
D781,327	S *	3/2017	Conze	D14/486
D783,672	S *	4/2017	Rajasankar	D14/488
D785,658	S *	5/2017	Moroney	D14/486
D786,898	S *	5/2017	Hall	D14/486
D788,122	S *	5/2017	Tada	D14/485
D789,974	S *	6/2017	Guo	D14/487
D798,866	S *	10/2017	Abellera	D14/413
2008/0288093	A1	11/2008	Kamenster et al.	
2008/0308400	A1	12/2008	States et al.	
2009/0055003	A1	2/2009	Tunick et al.	
2011/0172858	A1 *	7/2011	Gustin	B63H 21/213 701/21
2011/0279370	A1	11/2011	Wang et al.	
2013/0312651	A1 *	11/2013	Gai	B63B 39/061 114/285
2014/0352595	A1 *	12/2014	Yuet	B63H 25/42 114/150
2016/0267945	A1 *	9/2016	Daishaku	G06F 3/0488

OTHER PUBLICATIONS

Joystick driving—EVC Options: Volvo Penta, http://volvopenta.com/volvopenta/east_europe/en-ee/marine_leisure_engines/accessories, website visited Jun. 10, 2015.
SeaStar Solutions, Optimus 360 Joystick Control System, <http://www.seastarsolutions.com/products/electronic-power-steering/optimus-360-outboard>, website visited Jun. 10, 2015.

* cited by examiner

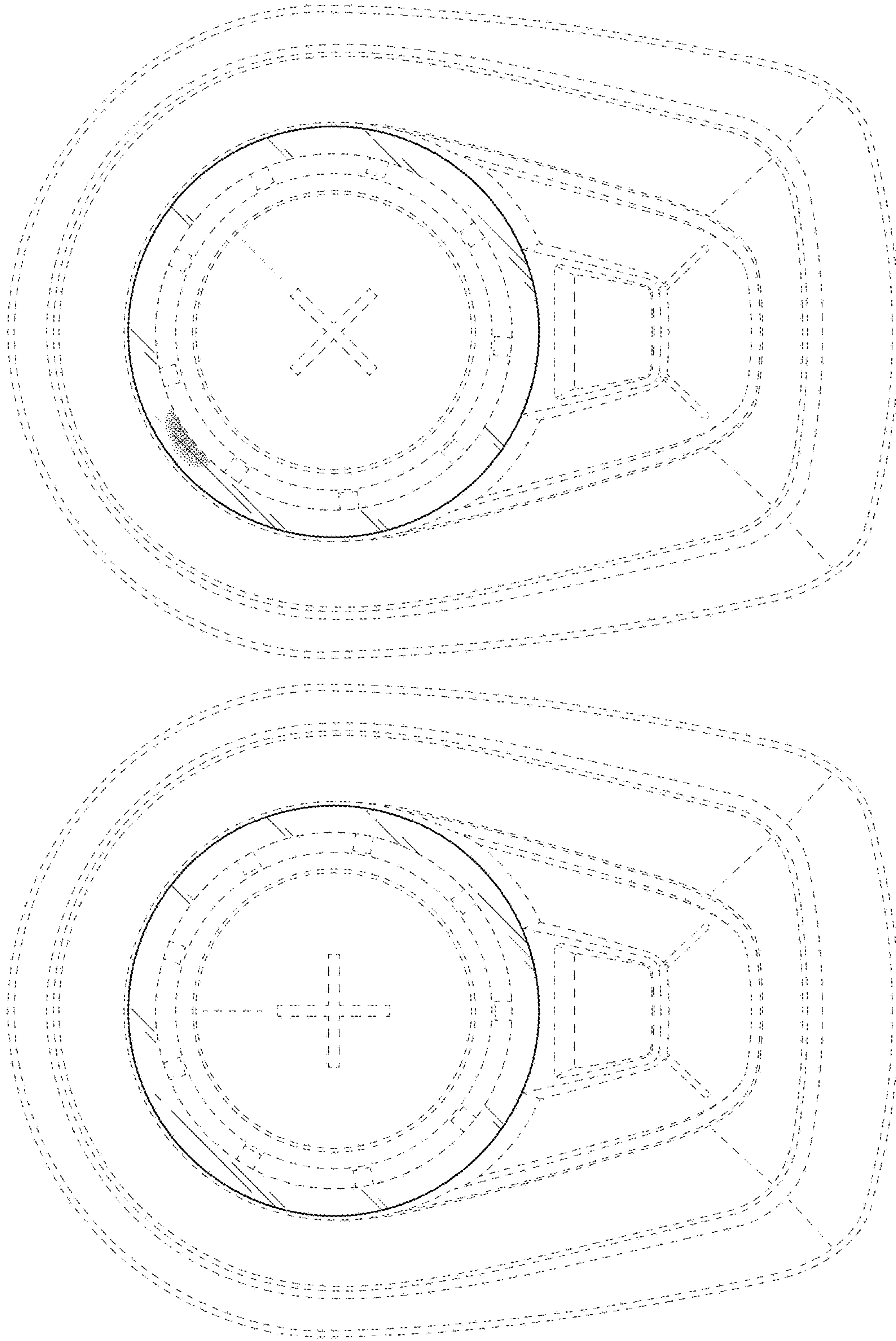


FIG. 2

FIG. 1

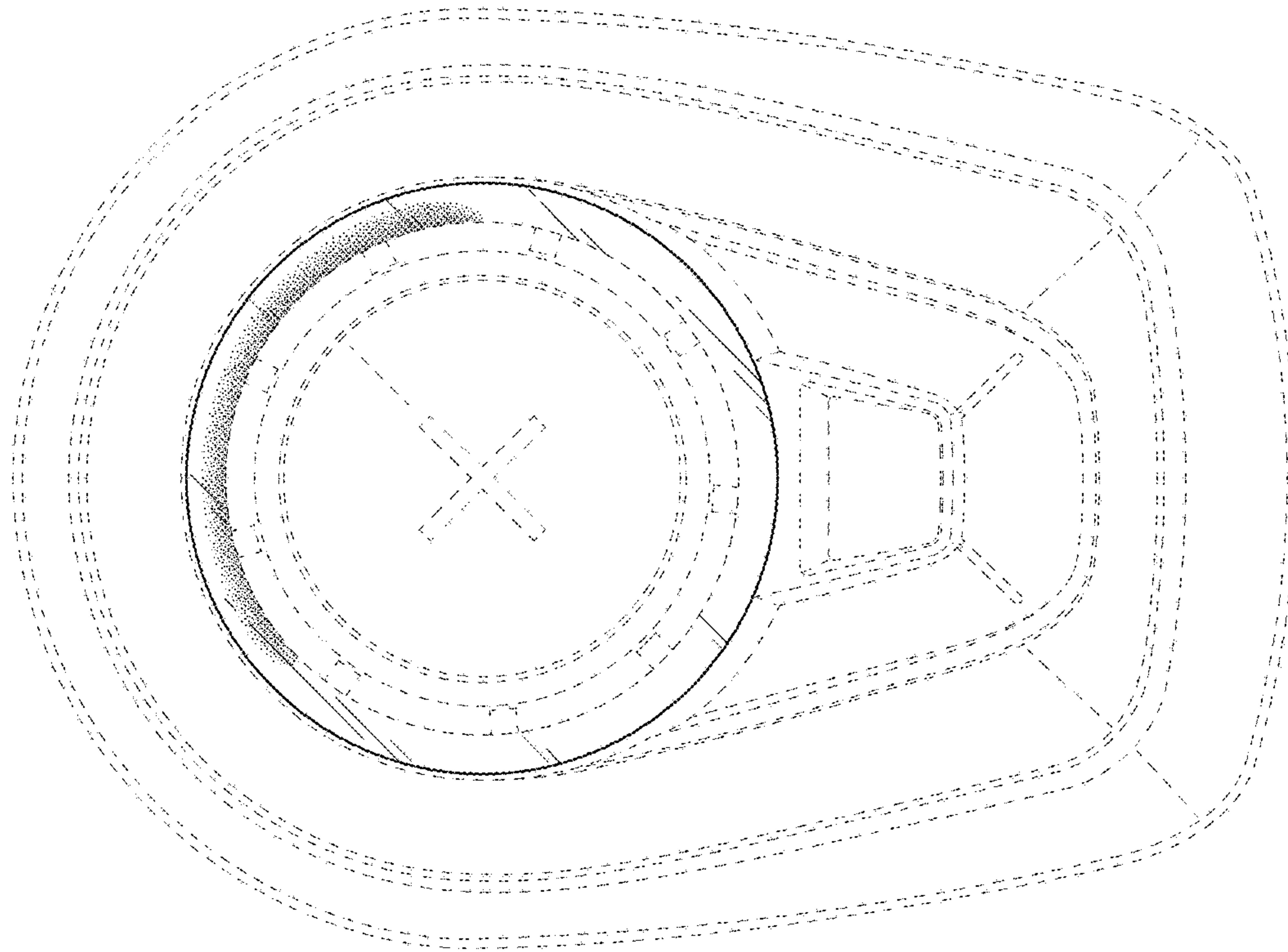


FIG. 4

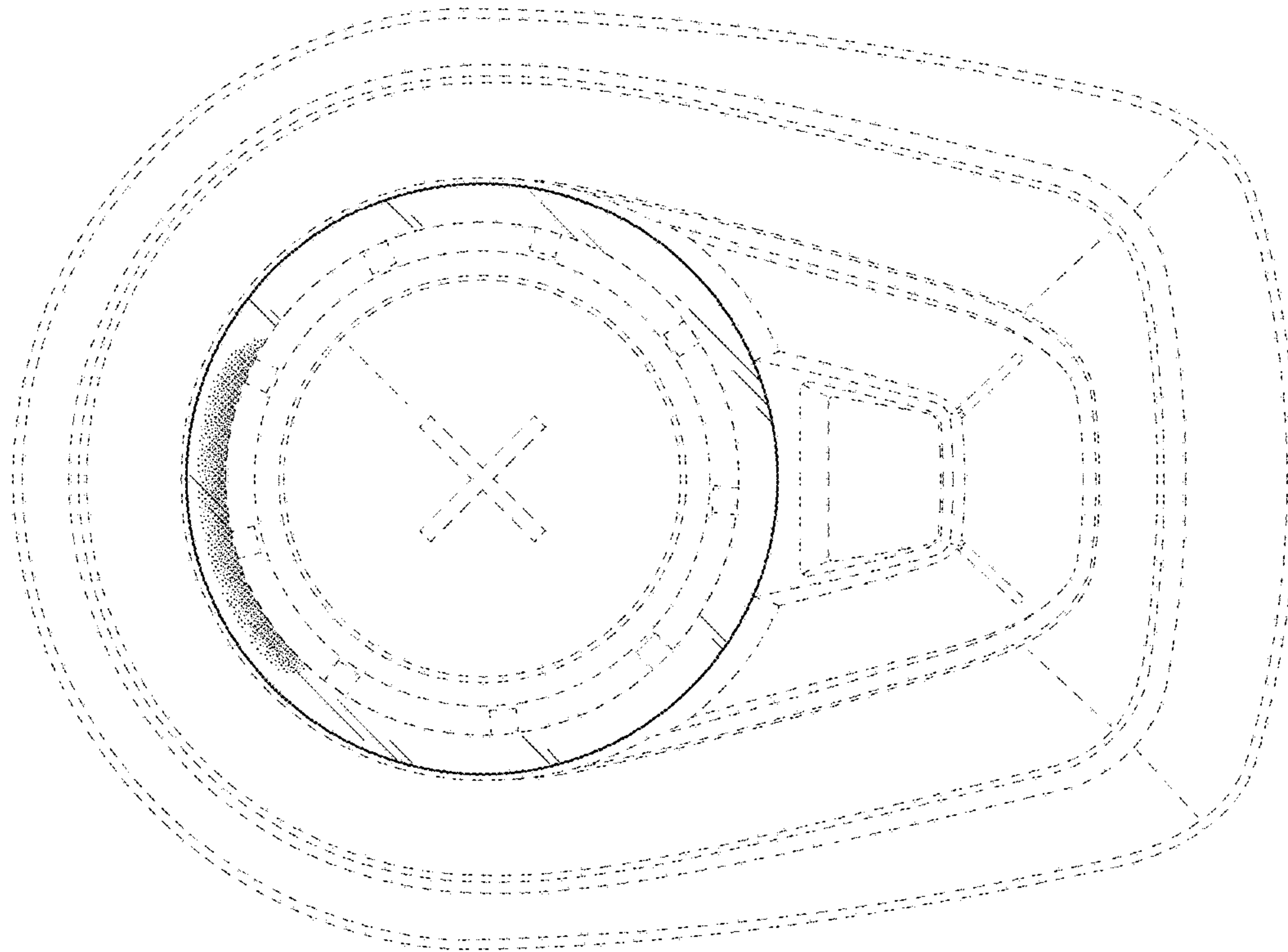


FIG. 3

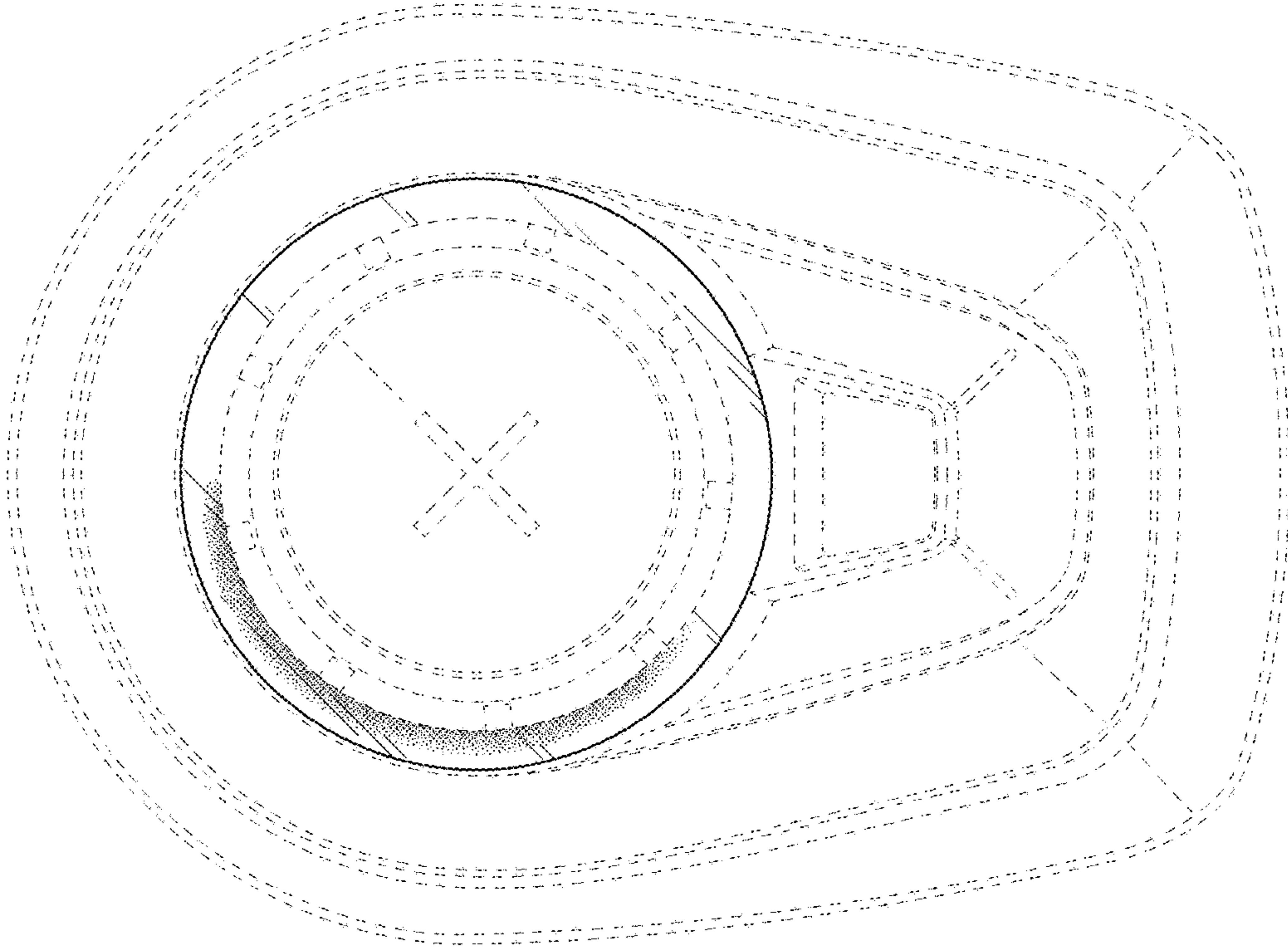


FIG. 5

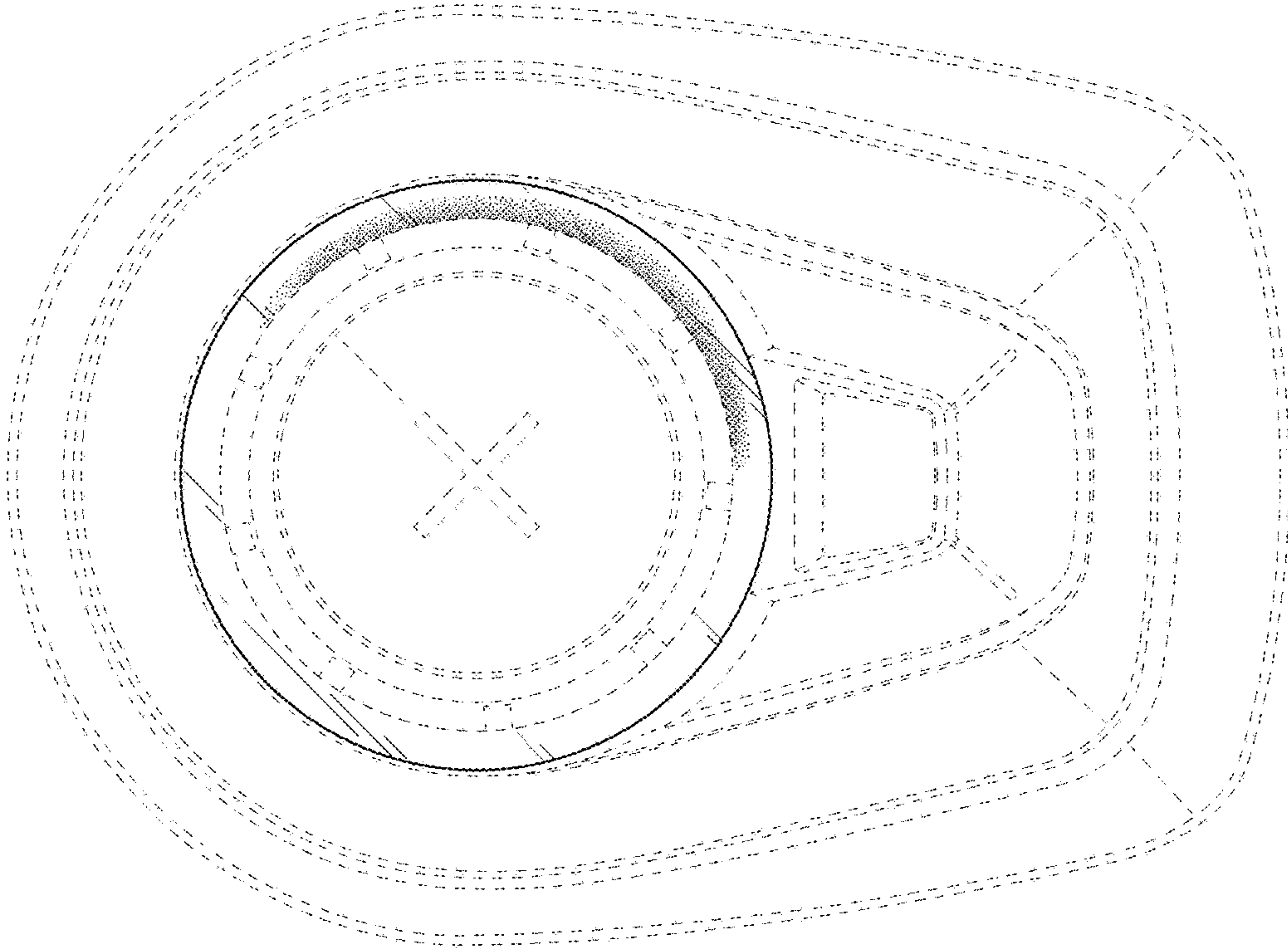


FIG. 6

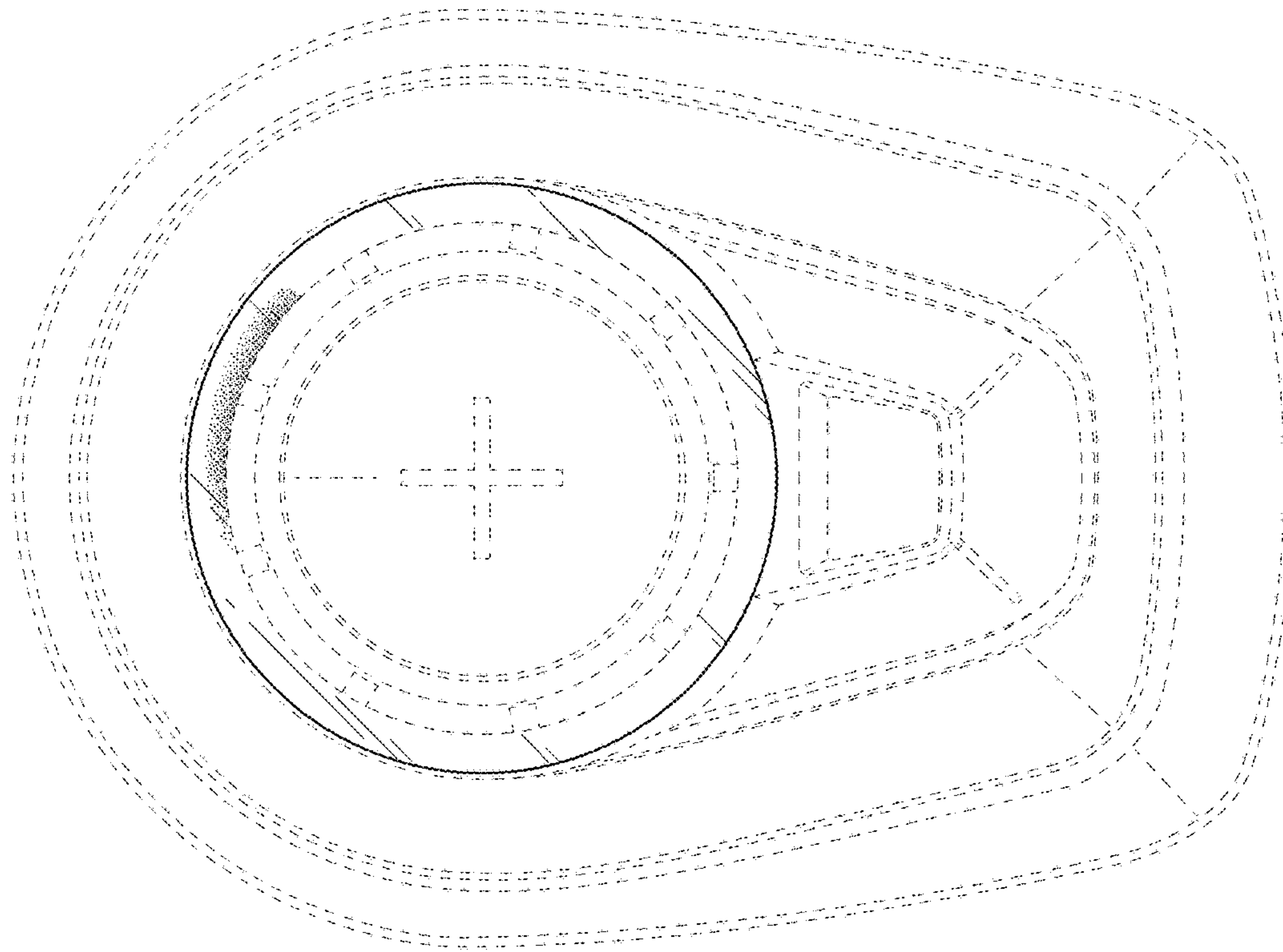


FIG. 8

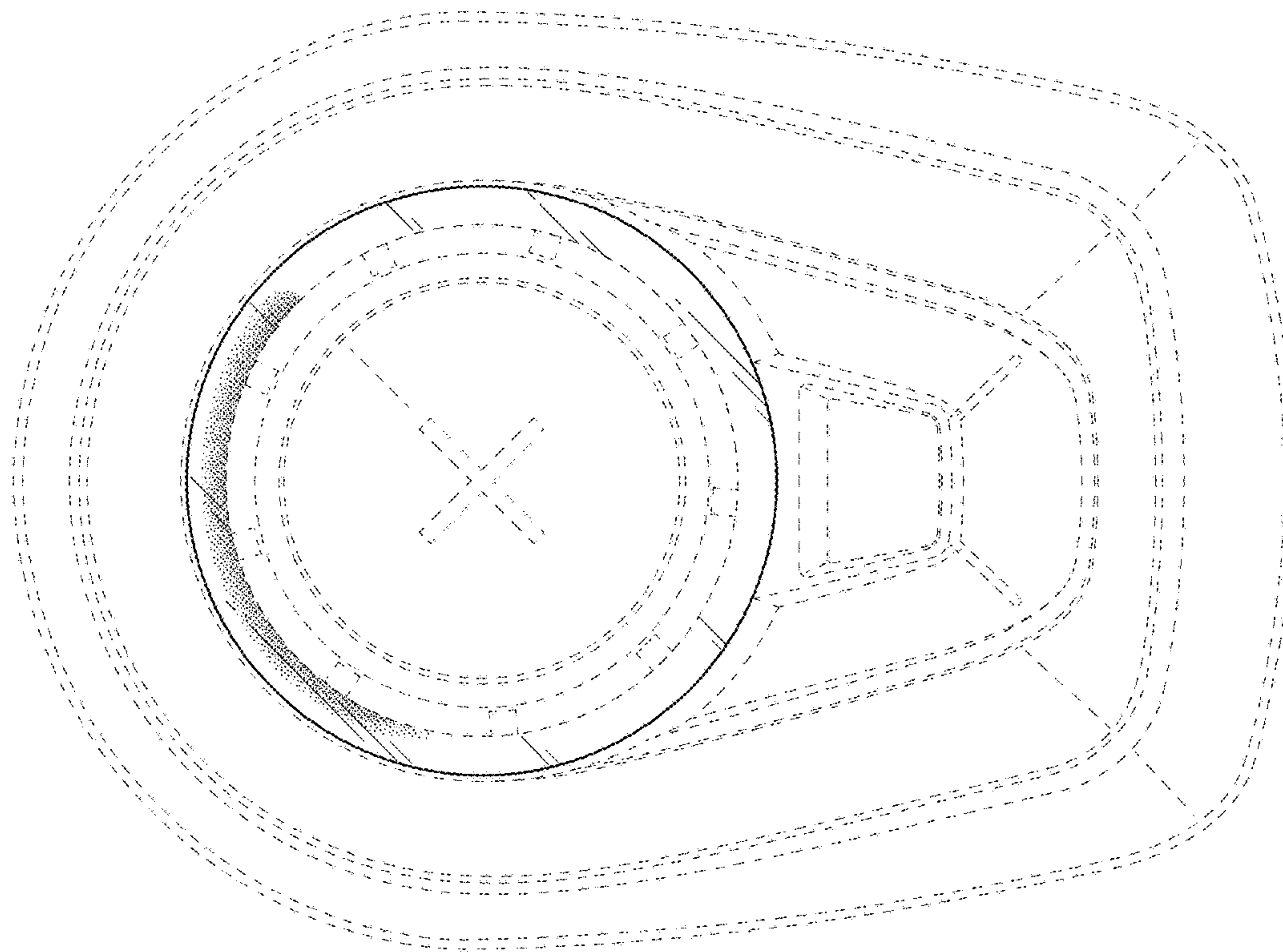


FIG. 7

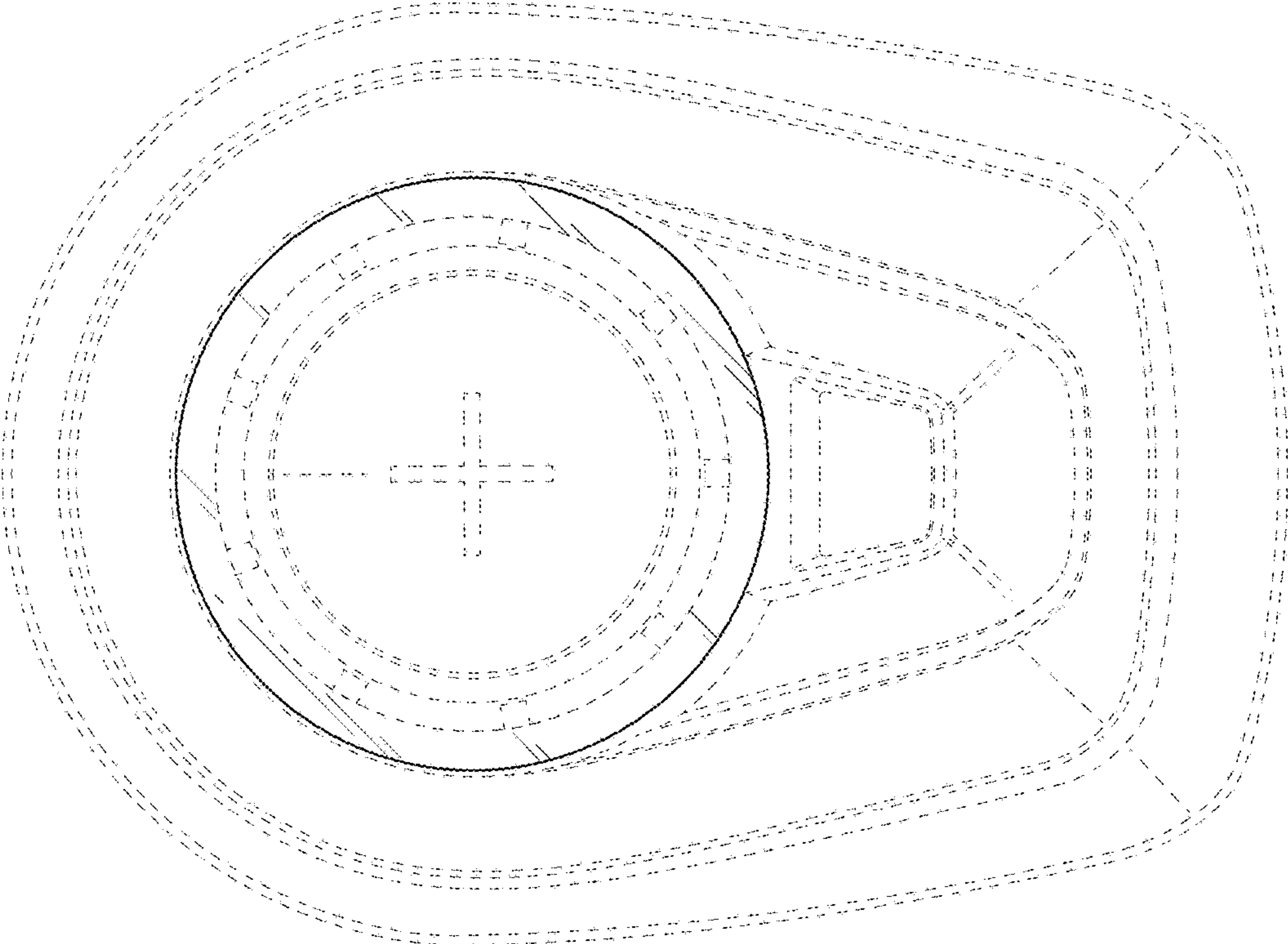


FIG. 9

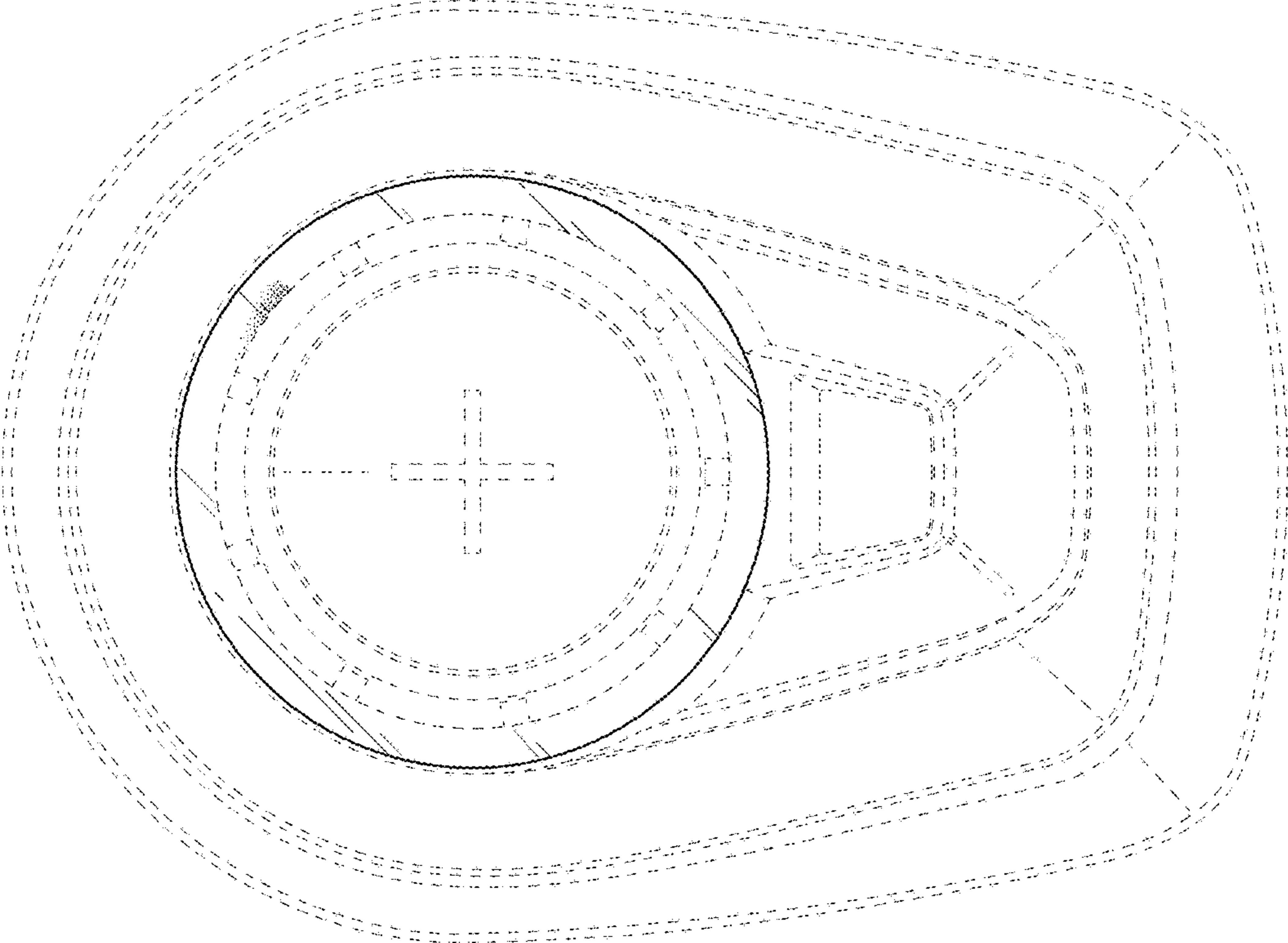


FIG. 10

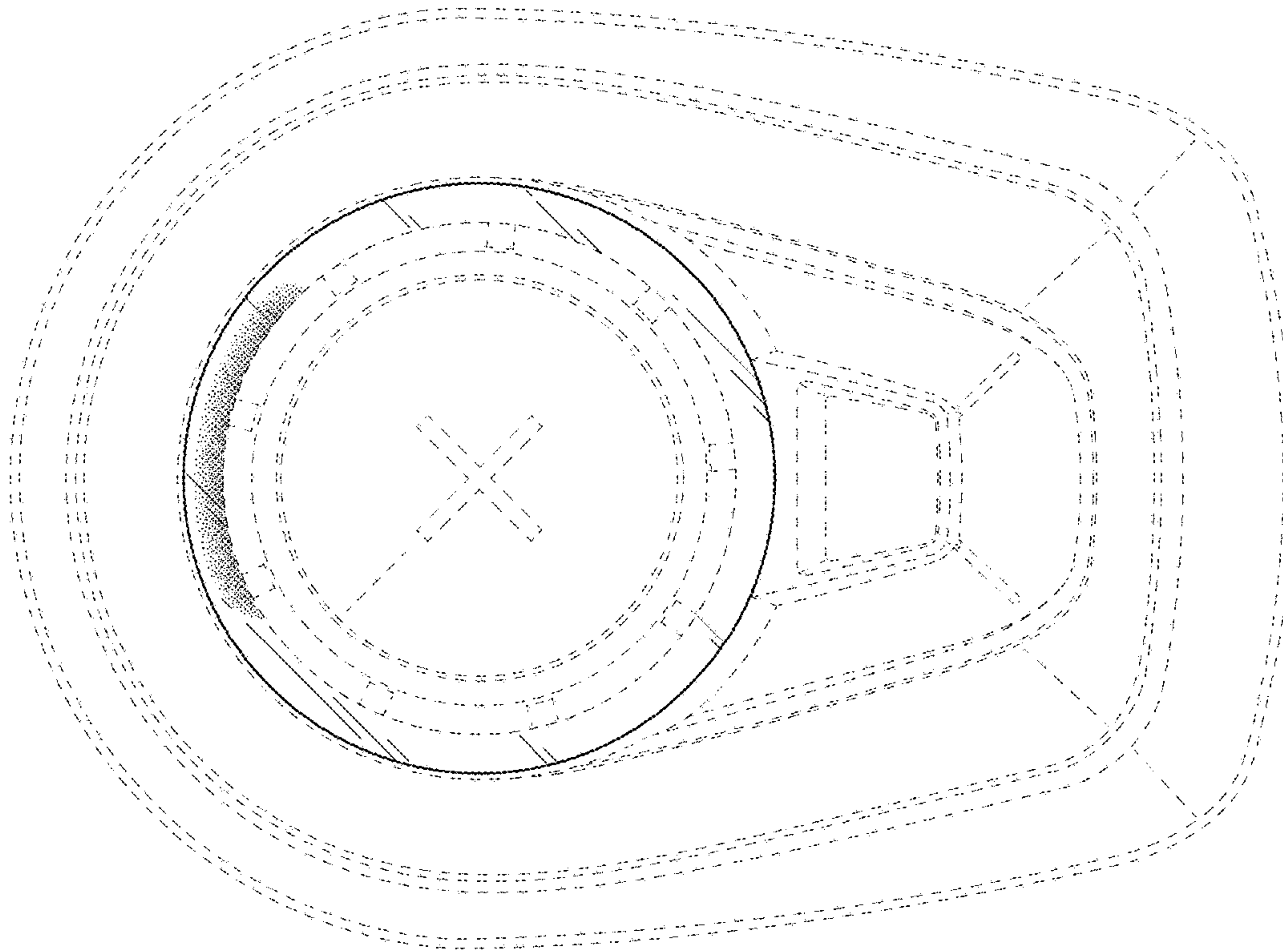


FIG. 11

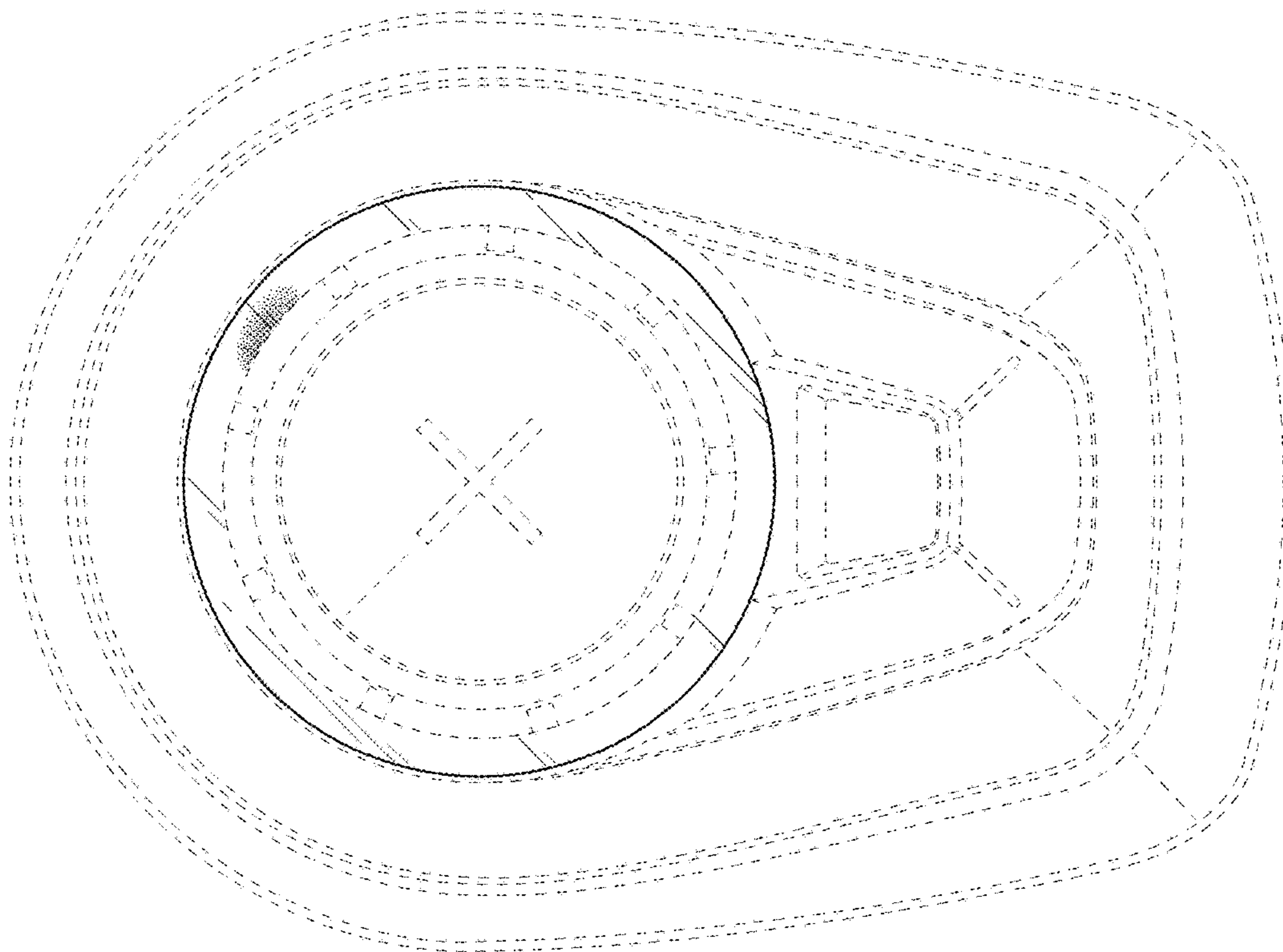


FIG. 12

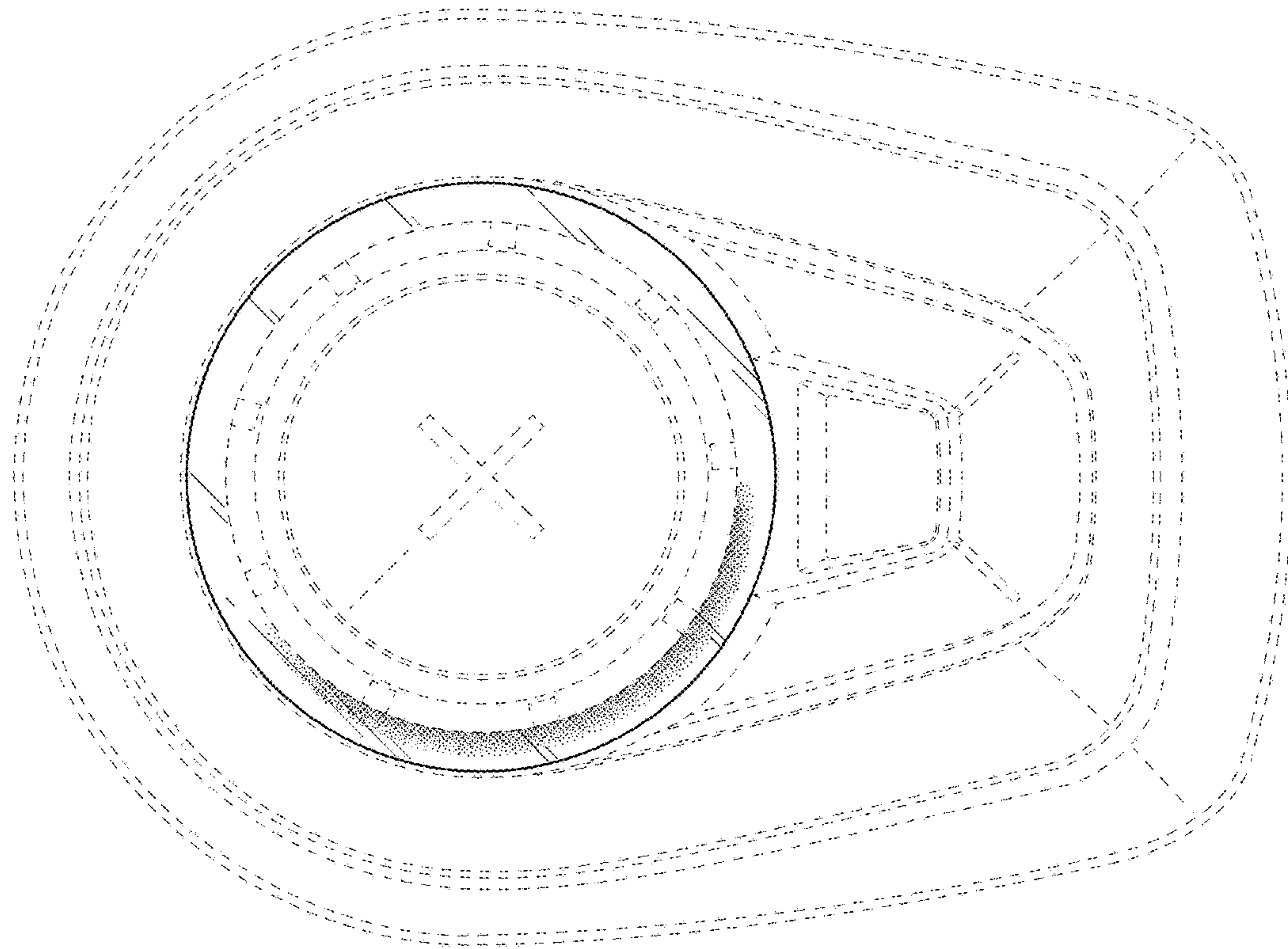


FIG. 14

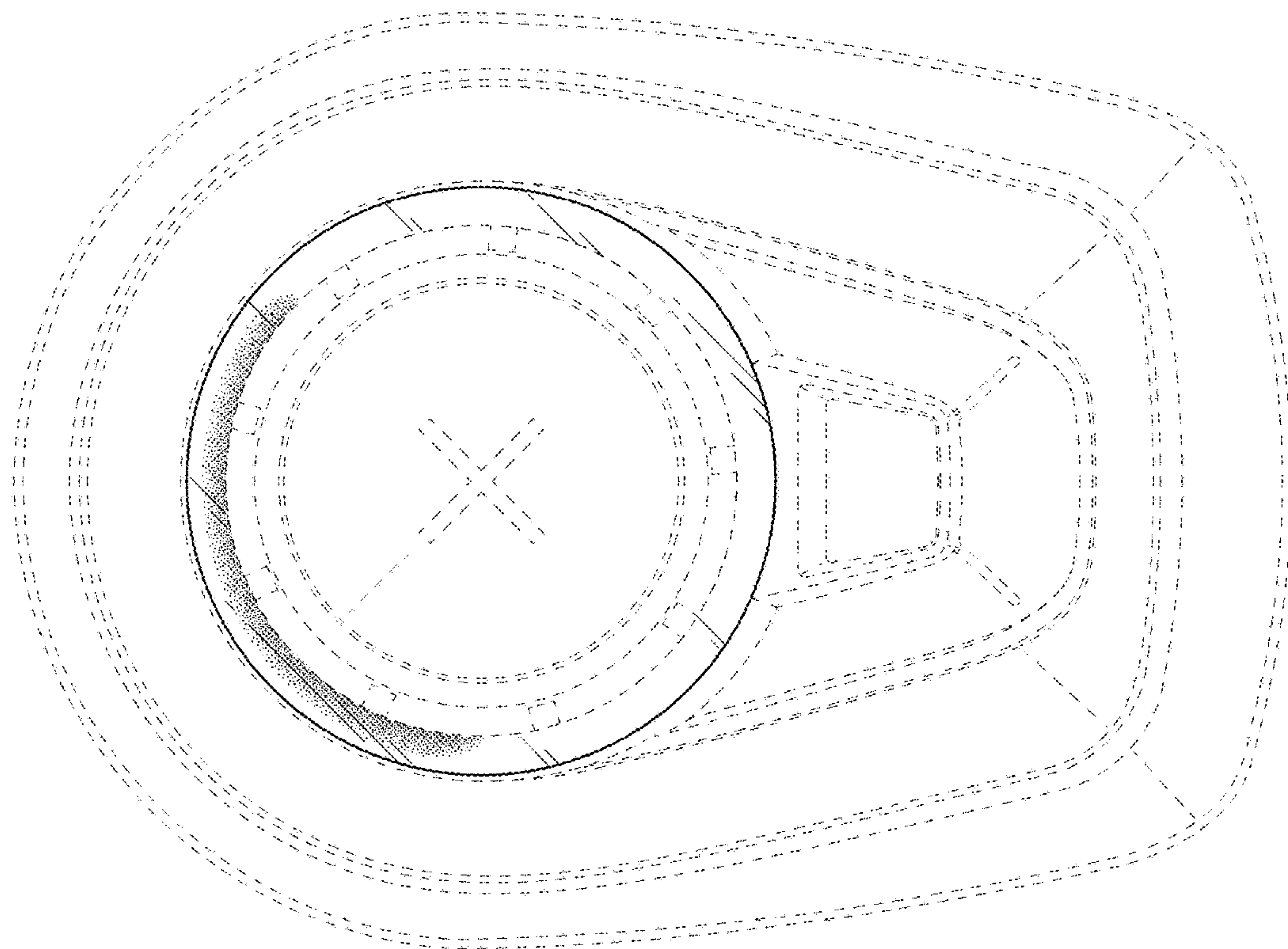


FIG. 13

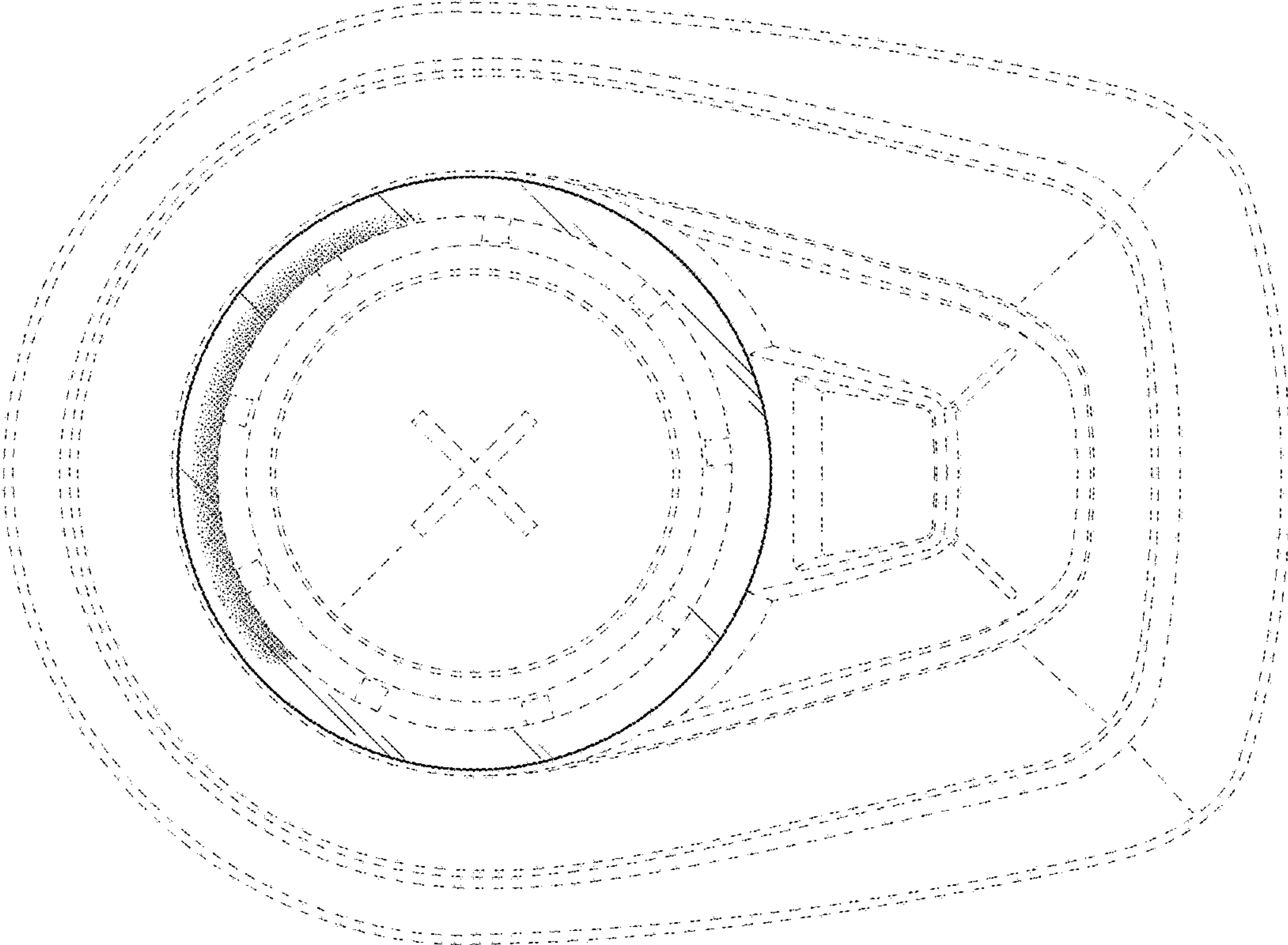


FIG. 15

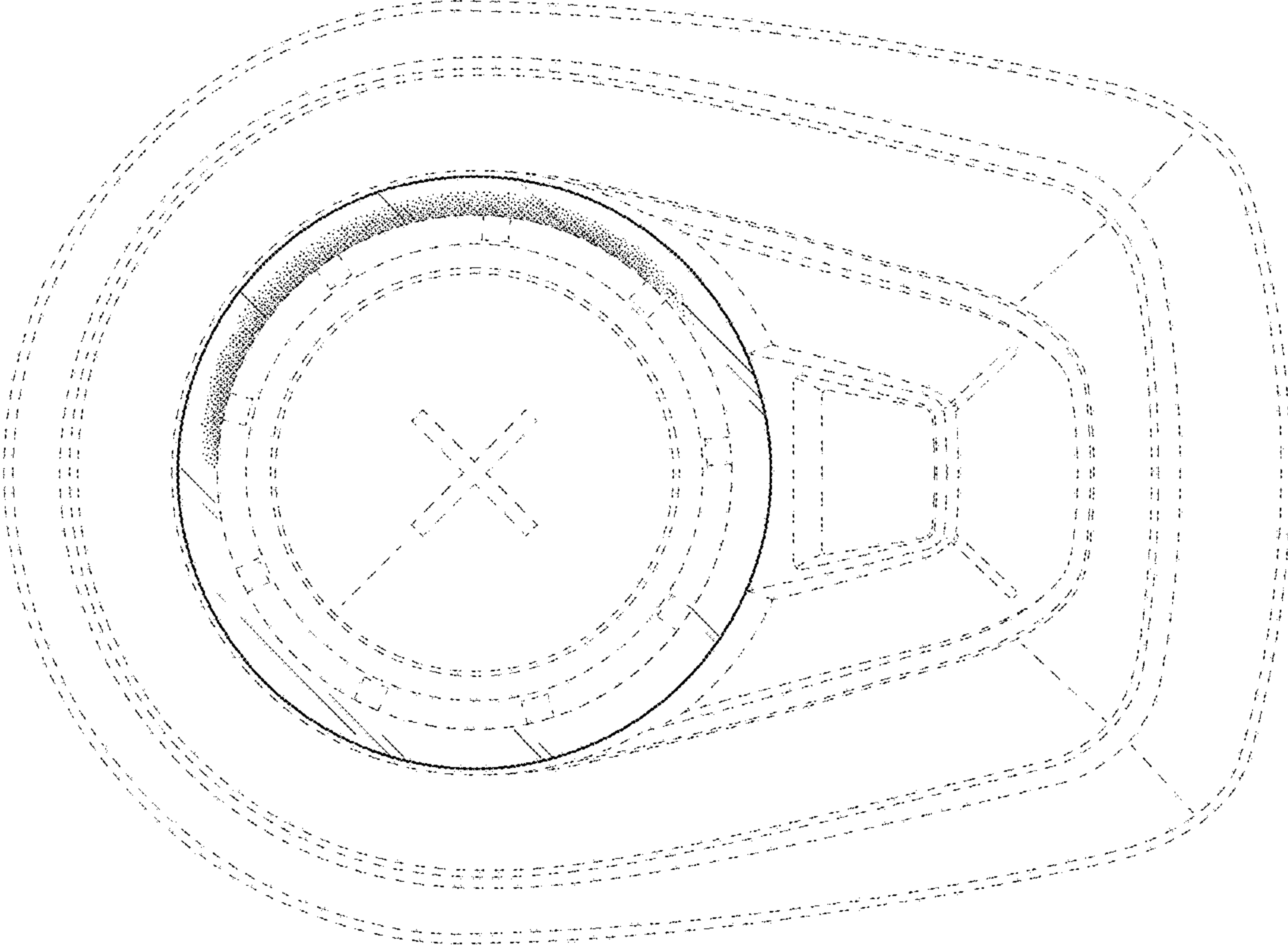


FIG. 16

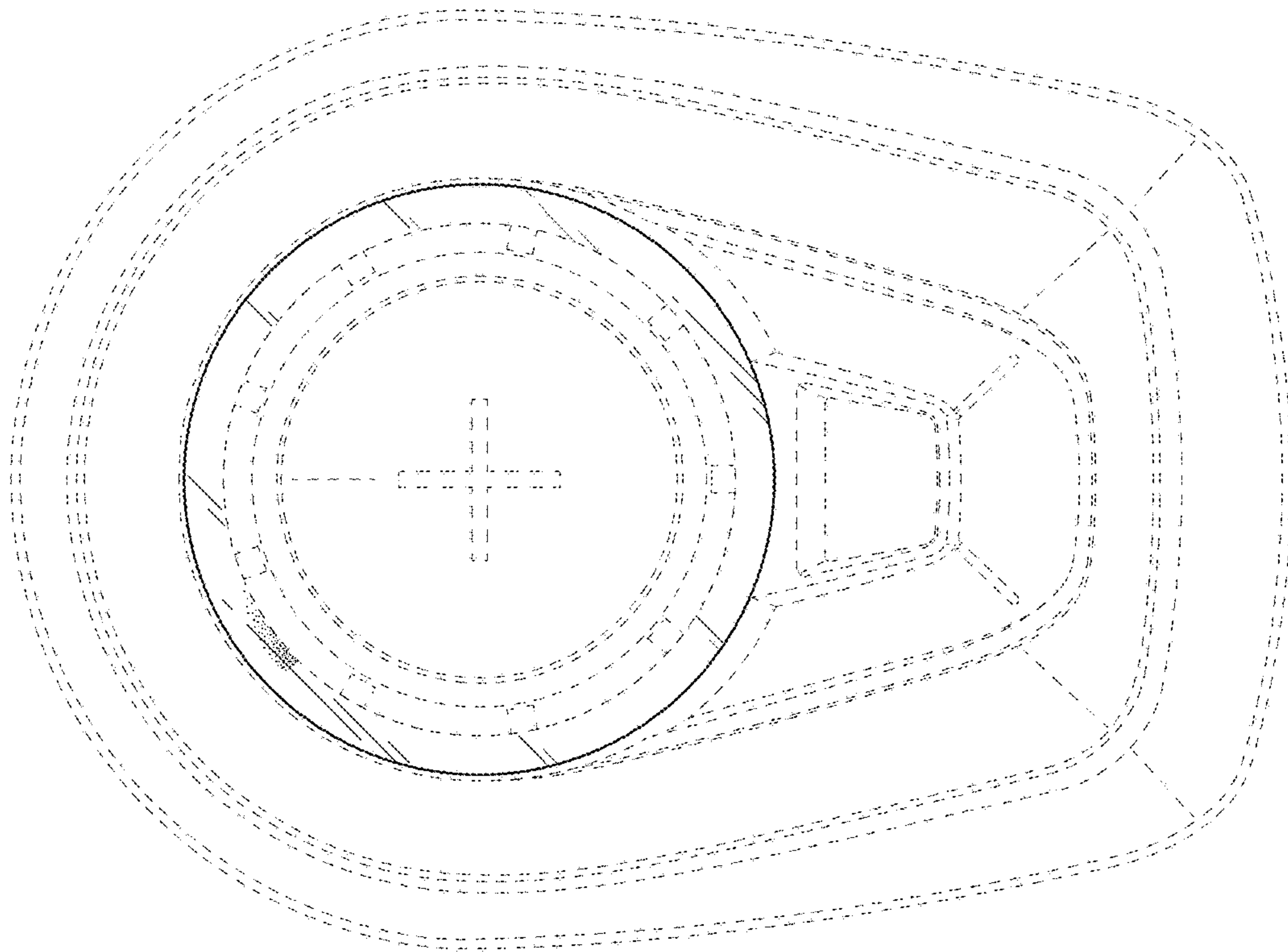


FIG. 18

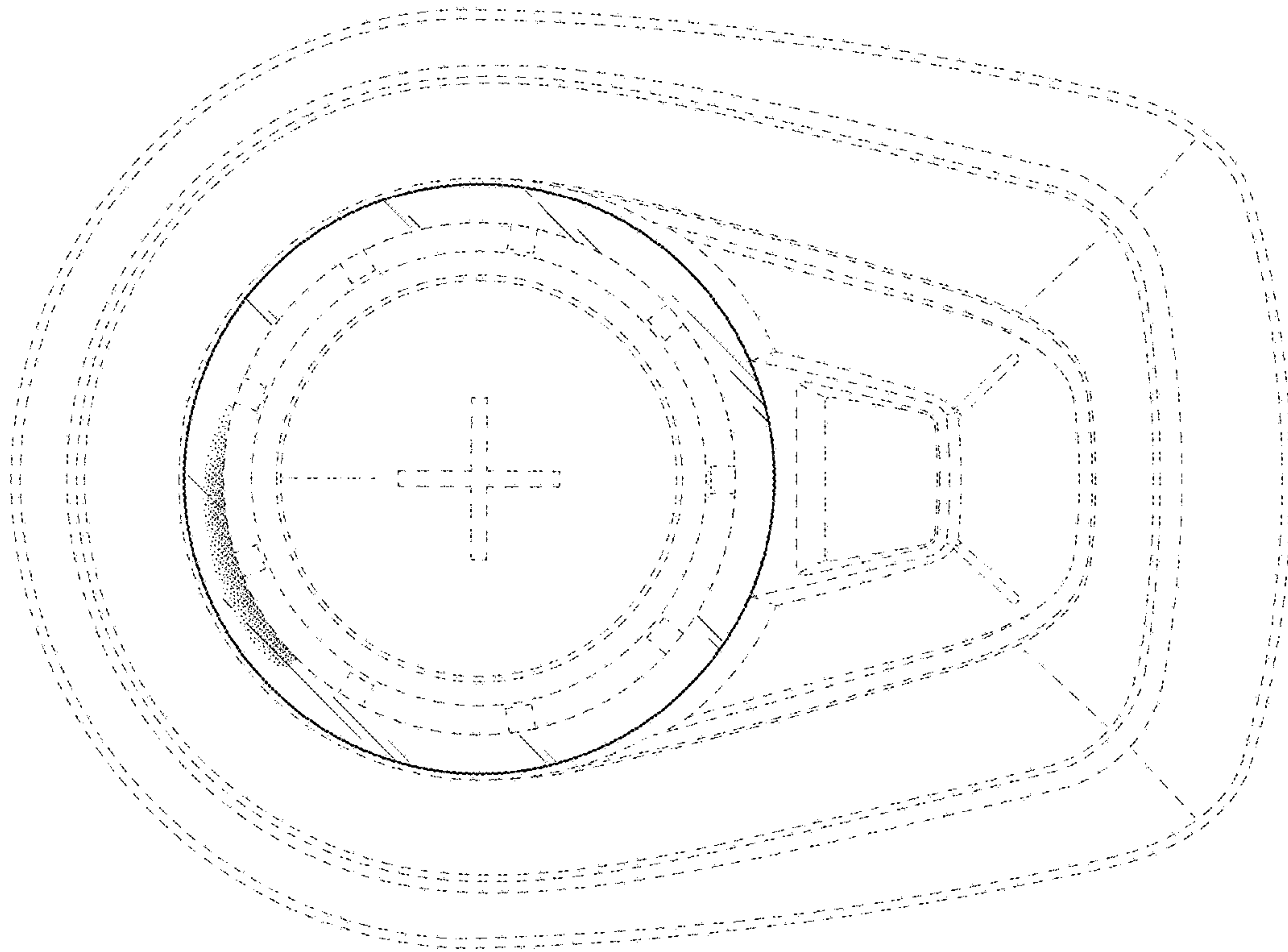


FIG. 17

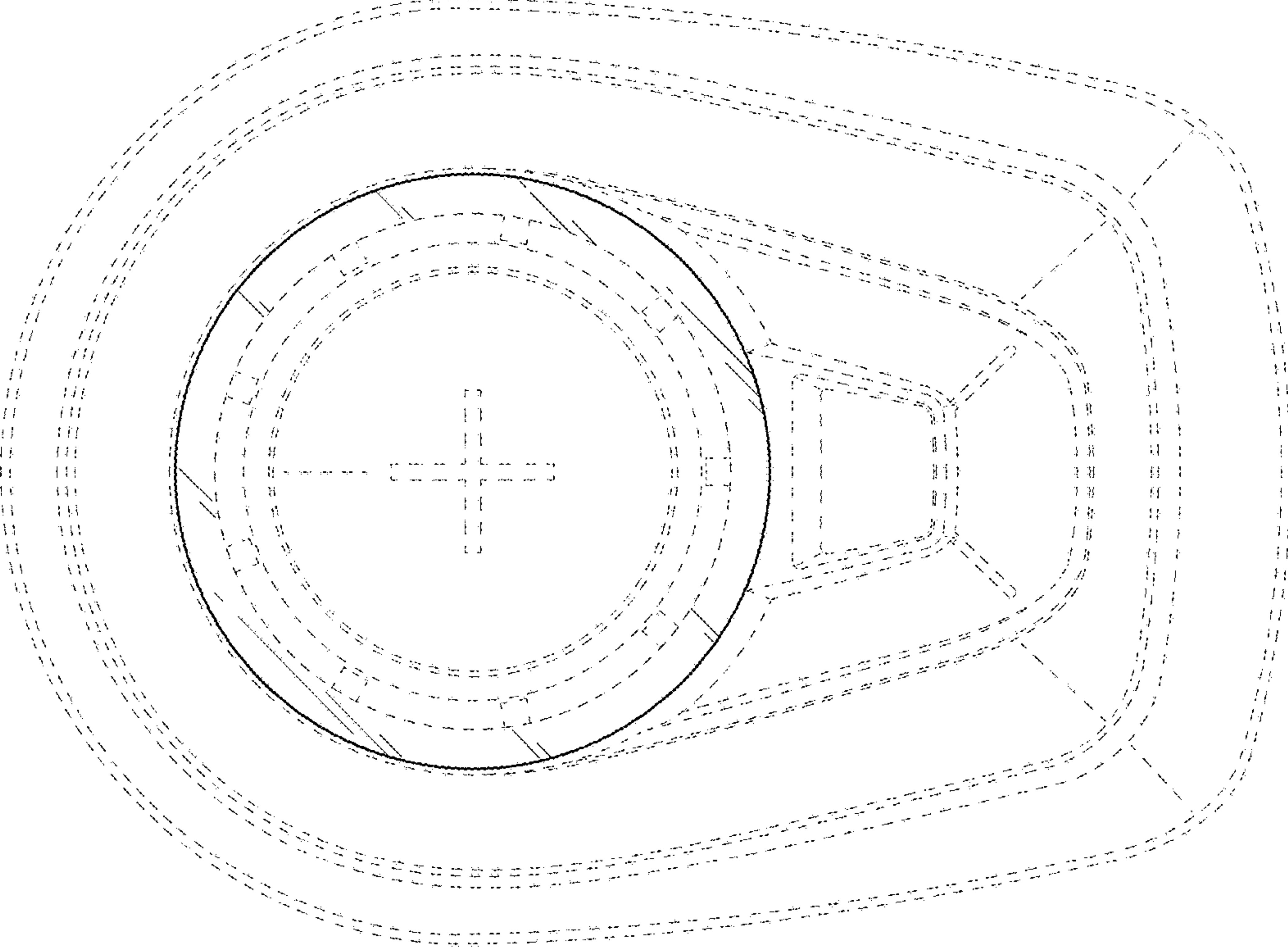


FIG. 19