



US00D738245S

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

(10) **Patent No.:** **US D738,245 S**
(45) **Date of Patent:** **** Sep. 8, 2015**

(54) **VIBRATION SENSOR**

(71) Applicant: **Sony Corporation**, Tokyo (JP)

(72) Inventors: **Yasuhide Hosoda**, Kanagawa (JP);
Shinji Yamamura, Chiba (JP);
Tatsuhiko Obara, Chiba (JP)

(73) Assignee: **Sony Corporation**, Tokyo (JP)

(**) Term: **14 Years**

(21) Appl. No.: **29/492,412**

(22) Filed: **May 30, 2014**

Related U.S. Application Data

(63) Continuation-in-part of application No. 29/485,047,
filed on Mar. 14, 2014.

Foreign Application Priority Data

Dec. 27, 2013	(CN)	2013 3 0650941
Dec. 27, 2013	(JP)	2013-030973
Dec. 27, 2013	(JP)	2013-030974
Dec. 27, 2013	(JP)	2013-030975
Dec. 27, 2013	(JP)	2013-030976
Dec. 27, 2013	(JP)	2013-030977
Dec. 27, 2013	(JP)	2013-030978
Dec. 27, 2013	(JP)	2013-030979
Dec. 27, 2013	(JP)	2013-030980
Dec. 27, 2013	(JP)	2013-030981
Dec. 27, 2013	(JP)	2013-030982
Dec. 27, 2013	(JP)	2013-030983
Dec. 27, 2013	(JP)	2013-030984
Dec. 27, 2013	(JP)	2013-030985
Dec. 27, 2013	(JP)	2013-030986
Dec. 27, 2013	(JP)	2013-030987
Dec. 27, 2013	(JP)	2013-030988
Mar. 20, 2014	(JP)	2014-006016
Mar. 20, 2014	(JP)	2014-006017
Mar. 20, 2014	(JP)	2014-006018
Mar. 20, 2014	(JP)	2014-006019
Mar. 20, 2014	(JP)	2014-006020

Mar. 20, 2014	(JP)	2014-006021
Mar. 20, 2014	(JP)	2014-006022
Mar. 20, 2014	(JP)	2014-006023

(51) **LOC (10) Cl.** **10-04**

(52) **U.S. Cl.**
USPC **D10/83**

(58) **Field of Classification Search**

USPC D10/83-85
CPC A63B 2220/05; A63B 2220/17; A63B
2220/18; A63B 2220/20; A63B 2220/30;
A63B 2220/40; A63B 2220/50; A63B
2220/51; A63B 2220/53; A63B 2220/54;
A63B 2220/55; A63B 2220/62; A63B
2220/64; A63B 24/00; A63B 24/0003

See application file for complete search history.

(56) **References Cited**

U.S. PATENT DOCUMENTS

6,753,778	B2 *	6/2004	Kruger	340/568.6
D583,826	S	12/2008	Sawai et al.	
8,840,483	B1 *	9/2014	Steusloff et al.	473/222
8,926,444	B2 *	1/2015	Kato et al.	473/202
2009/0233735	A1 *	9/2009	Savarese et al.	473/407
2011/0224012	A1 *	9/2011	Hashimoto et al.	473/223
2012/0035003	A1 *	2/2012	Moran et al.	473/407
2012/0052973	A1 *	3/2012	Bentley	473/223
2013/0065703	A1 *	3/2013	Rose	473/223

* cited by examiner

FOREIGN PATENT DOCUMENTS

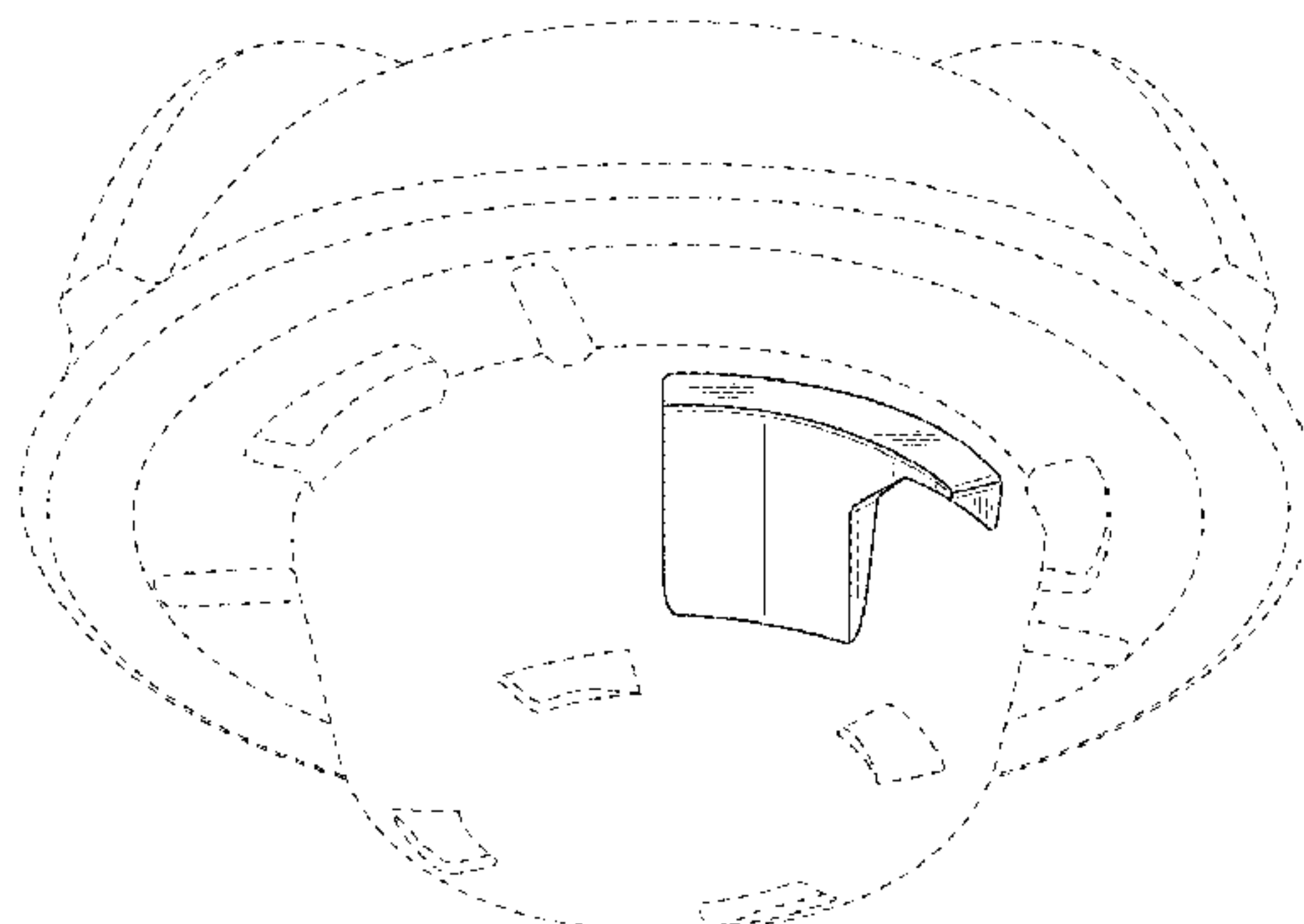
JP D1227155 S 1/2005

OTHER PUBLICATIONS

Final Decision of the Board of Appeal issued in Japanese Application
No. D2013-030975, dated May 22, 2015.

Primary Examiner — Antoine D Davis

(74) *Attorney, Agent, or Firm* — Fishman Stewart
Yamaguchi PLLC



(57)

CLAIM

The ornamental design for a vibration sensor, as shown and described.

DESCRIPTION

FIG. **1** is a rear, bottom, right perspective view of a first embodiment of a vibration sensor showing our new design;
FIG. **2** is a rear elevational view thereof;
FIG. **3** is a left side elevational view thereof; and
FIG. **4** is a bottom plan view thereof.
FIG. **5** is a rear, bottom perspective view of a second embodiment of a vibration sensor showing our new design;
FIG. **6** is a rear elevational view thereof;

FIG. **7** is a left side elevational view thereof; and
FIG. **8** is a bottom plan view thereof.
FIG. **9** is a front, bottom perspective view of a third embodiment of a vibration sensor showing our new design;
FIG. **10** is a front elevational view thereof.
FIG. **11** is a right side elevational view thereof; and
FIG. **12** is a bottom plan view thereof.
FIG. **13** is a front, bottom perspective view of a fourth embodiment of a vibration sensor showing our new design;
FIG. **14** is a front elevational view thereof.
FIG. **15** is a right side elevational view thereof; and
FIG. **16** is a bottom plan view thereof.

1 Claim, 8 Drawing Sheets

FIG.1

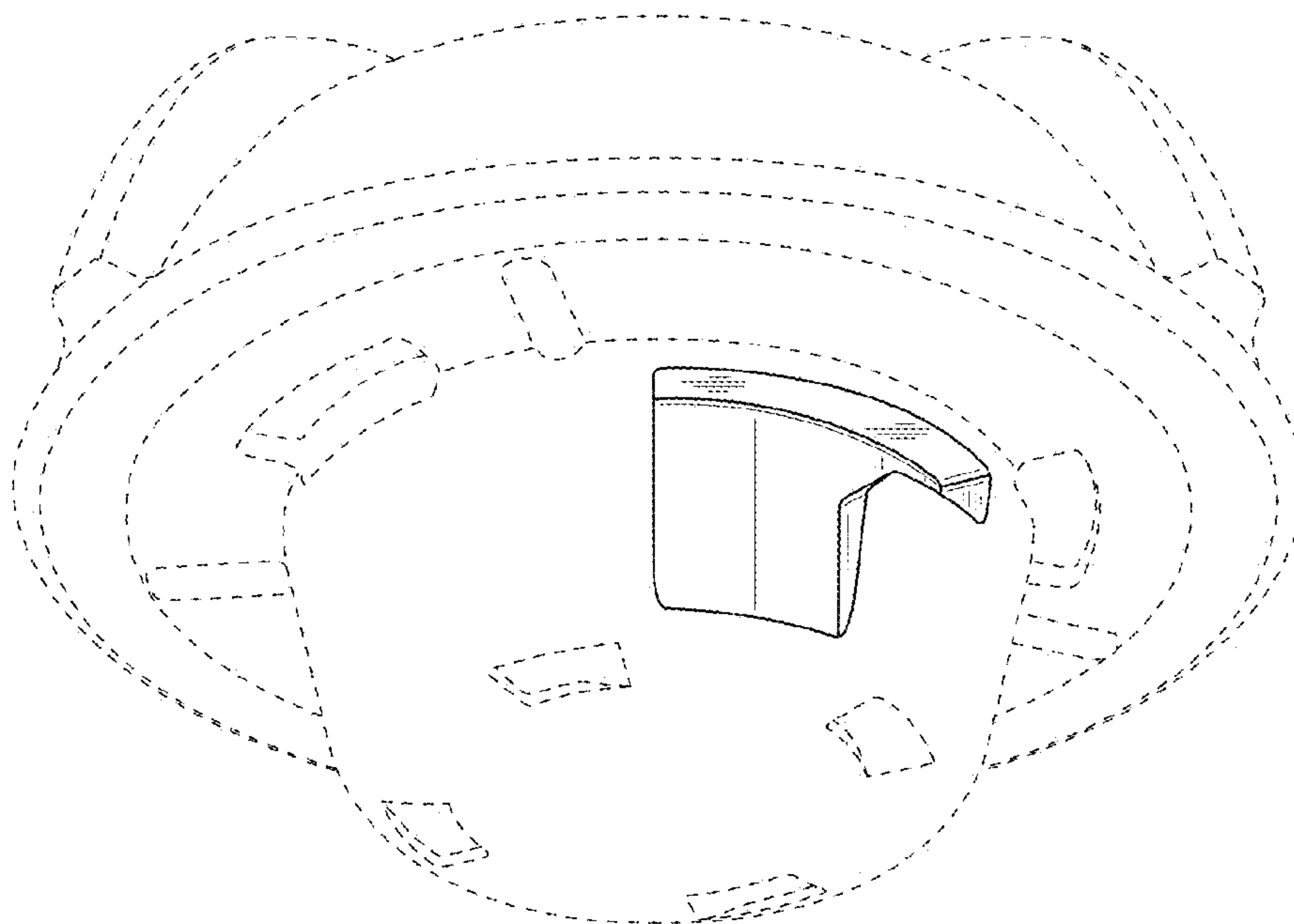


FIG.2

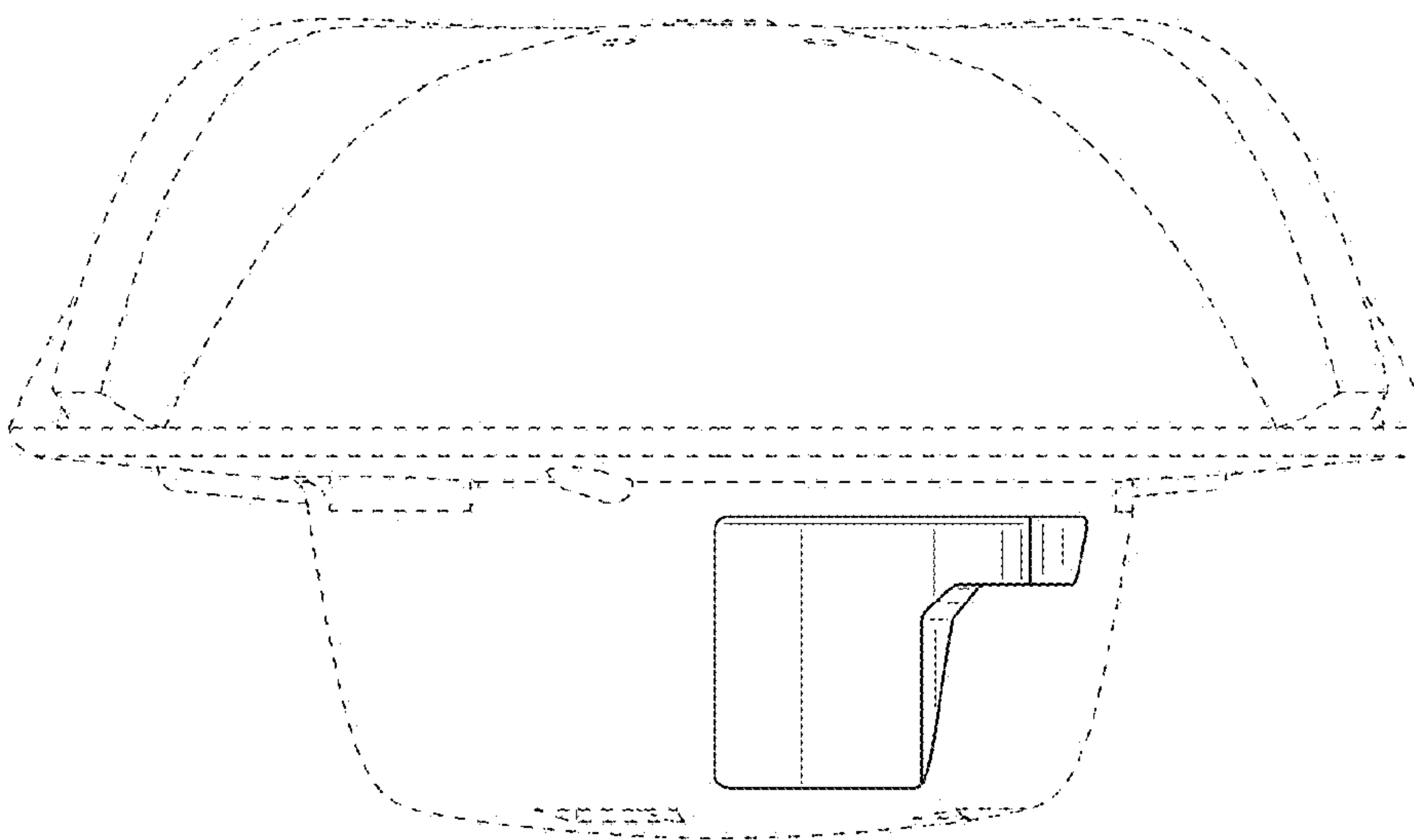


FIG.3

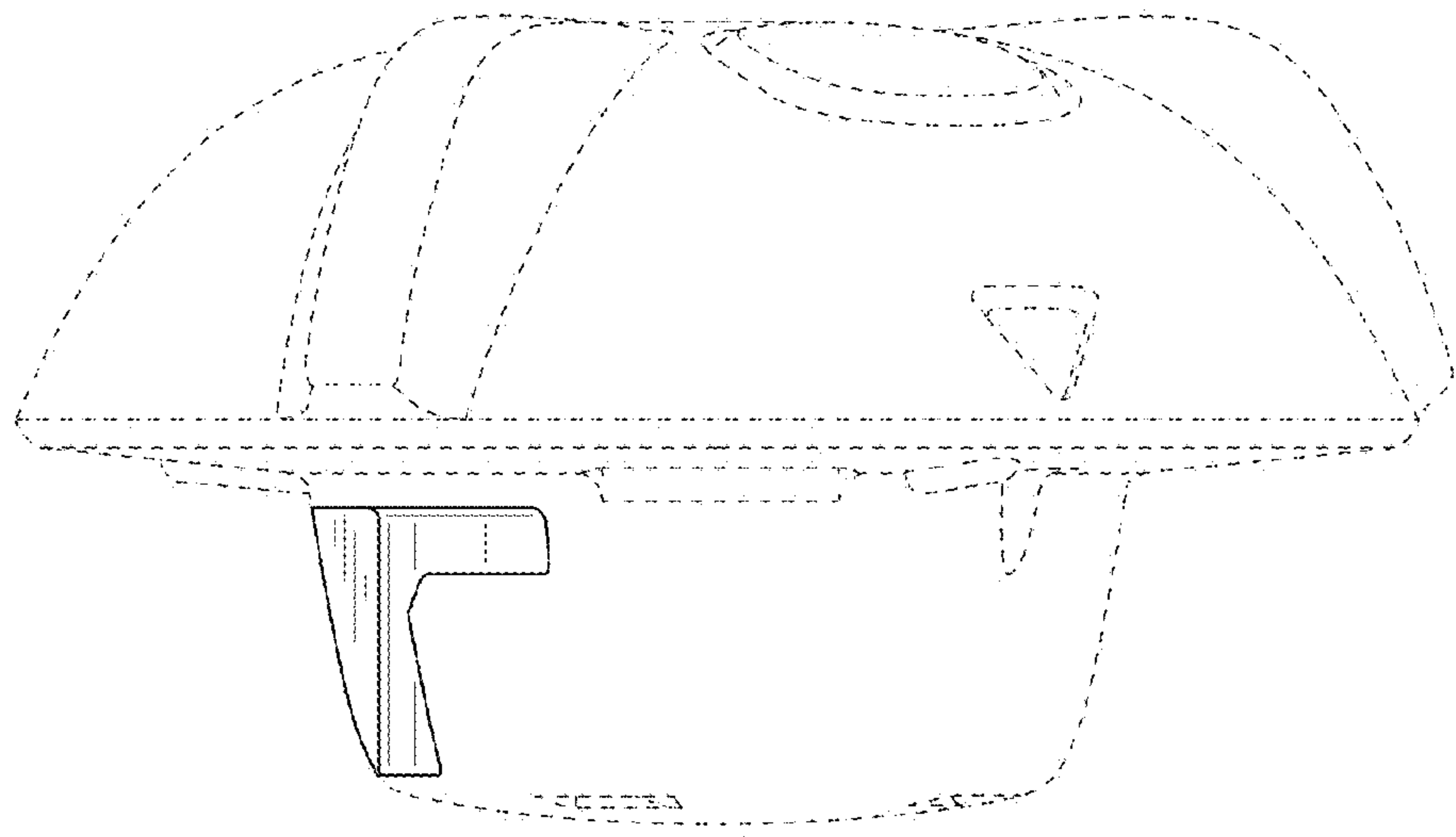


FIG.4

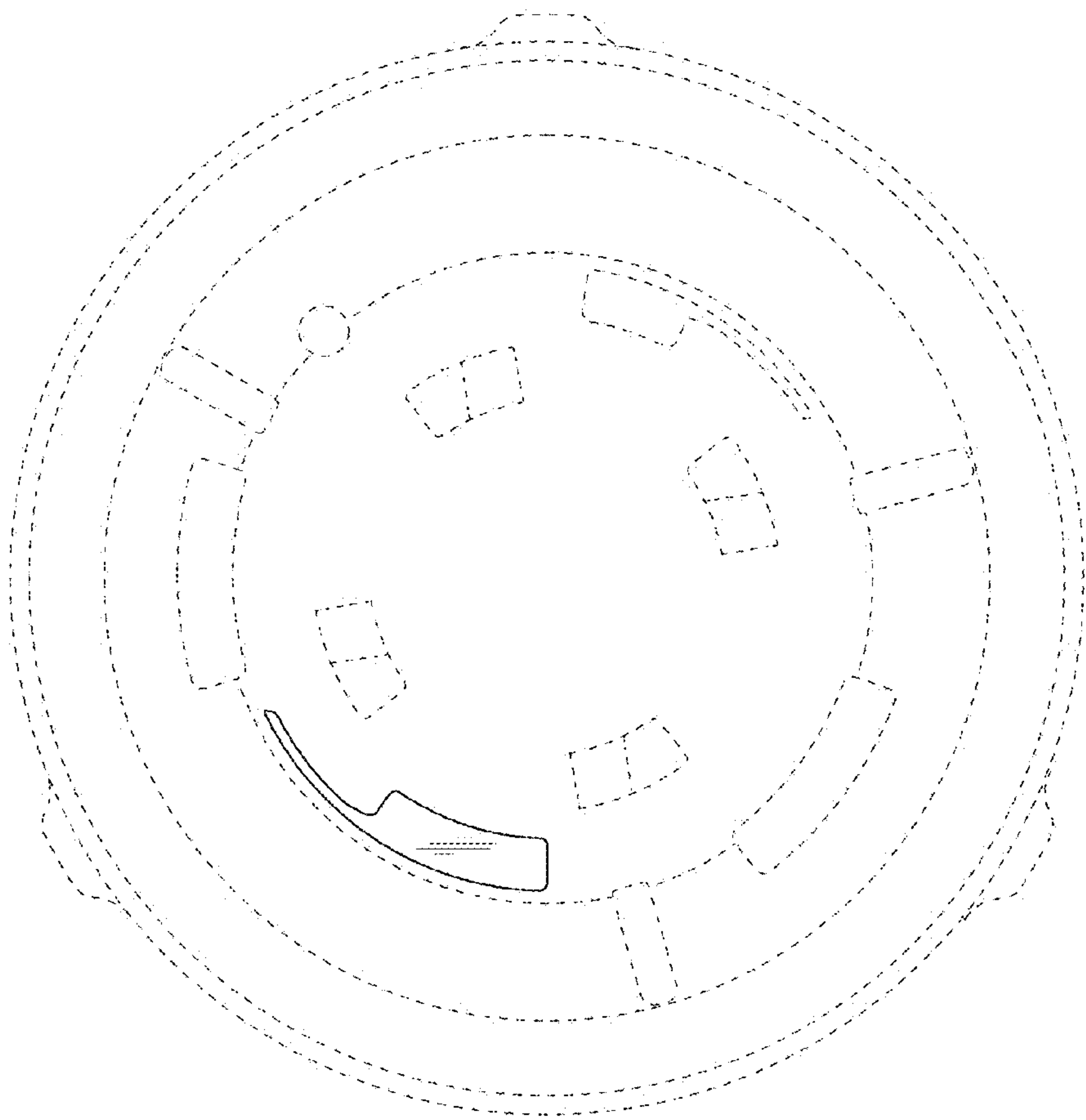


FIG.5

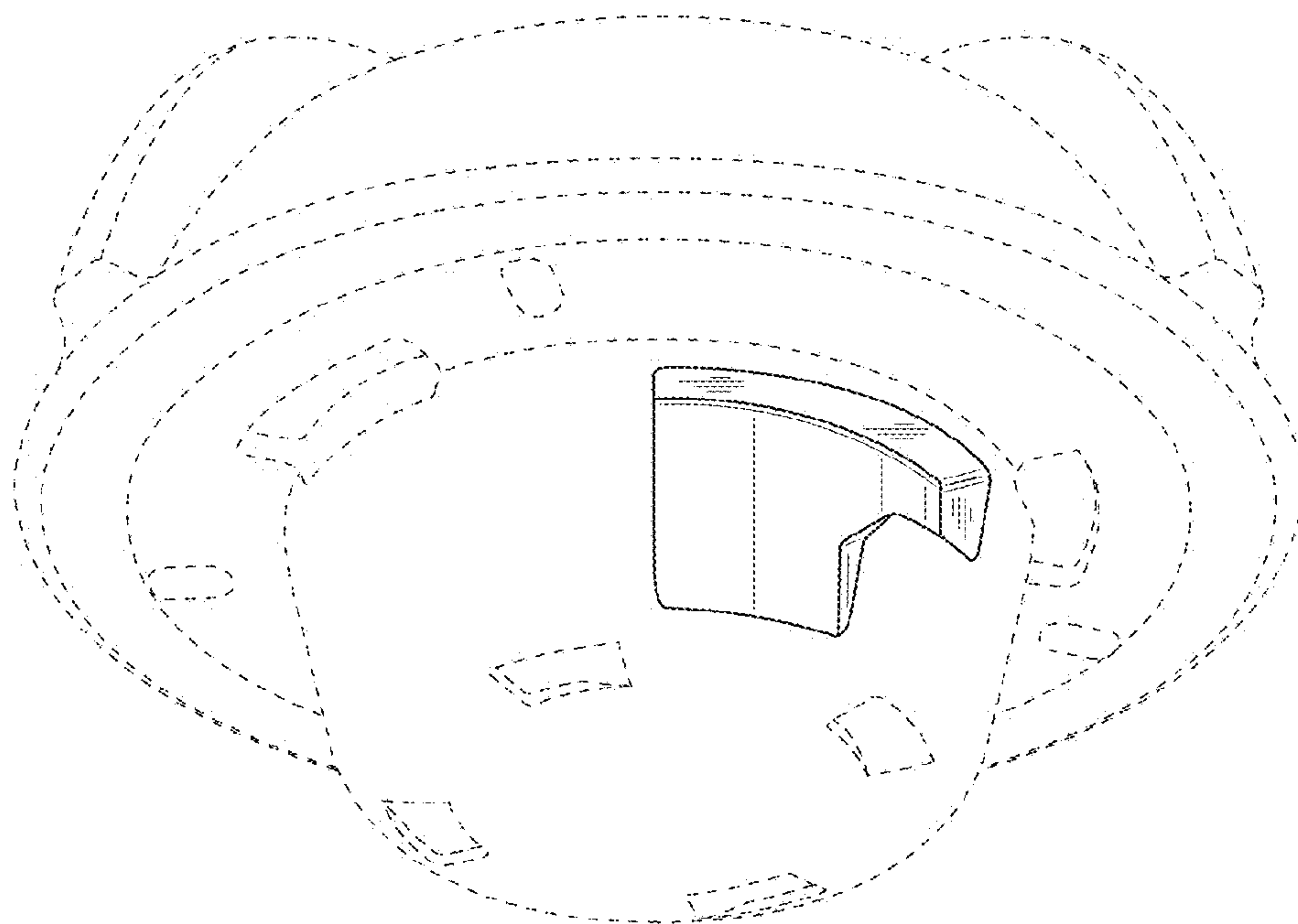


FIG.6

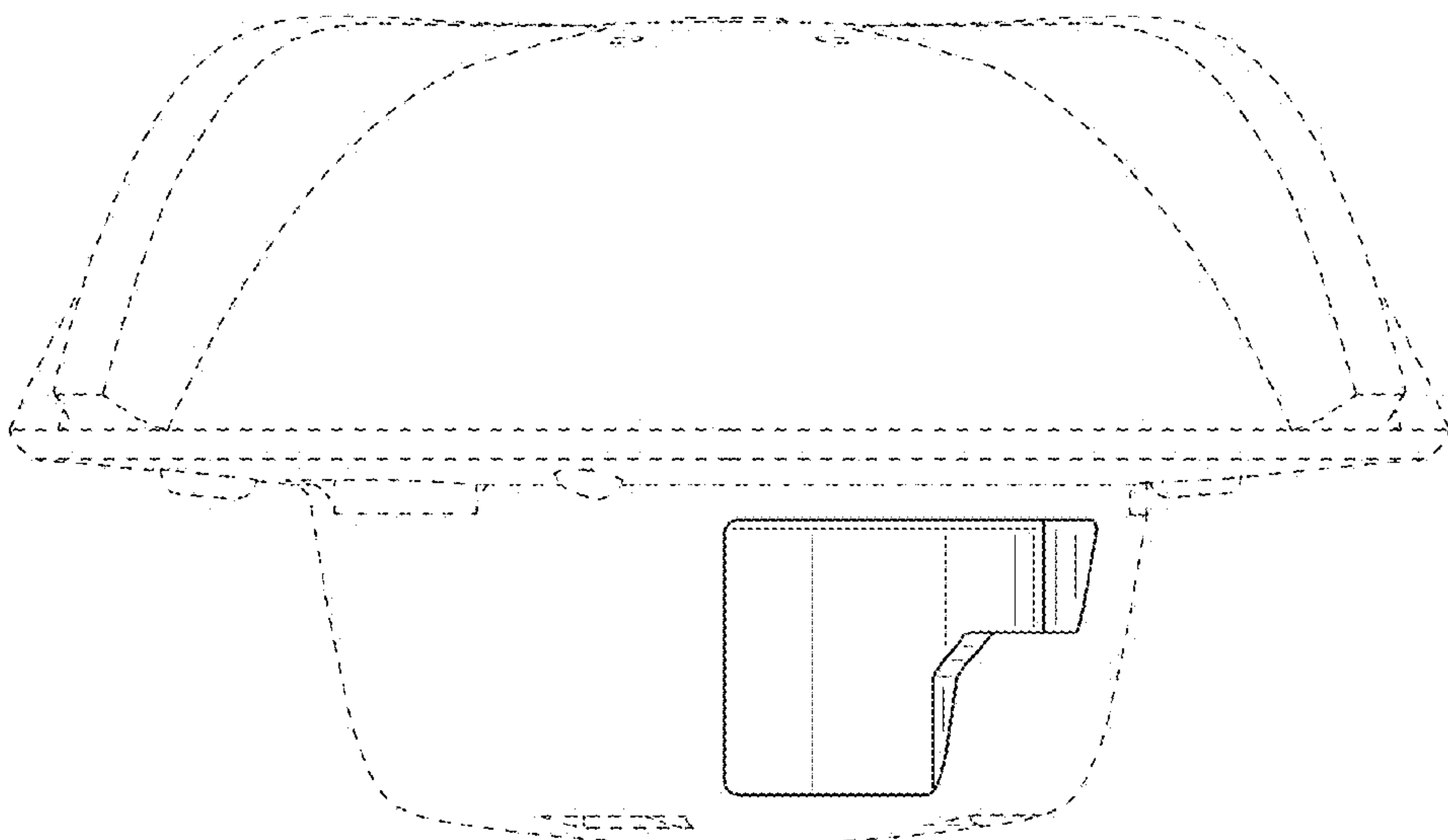


FIG.7

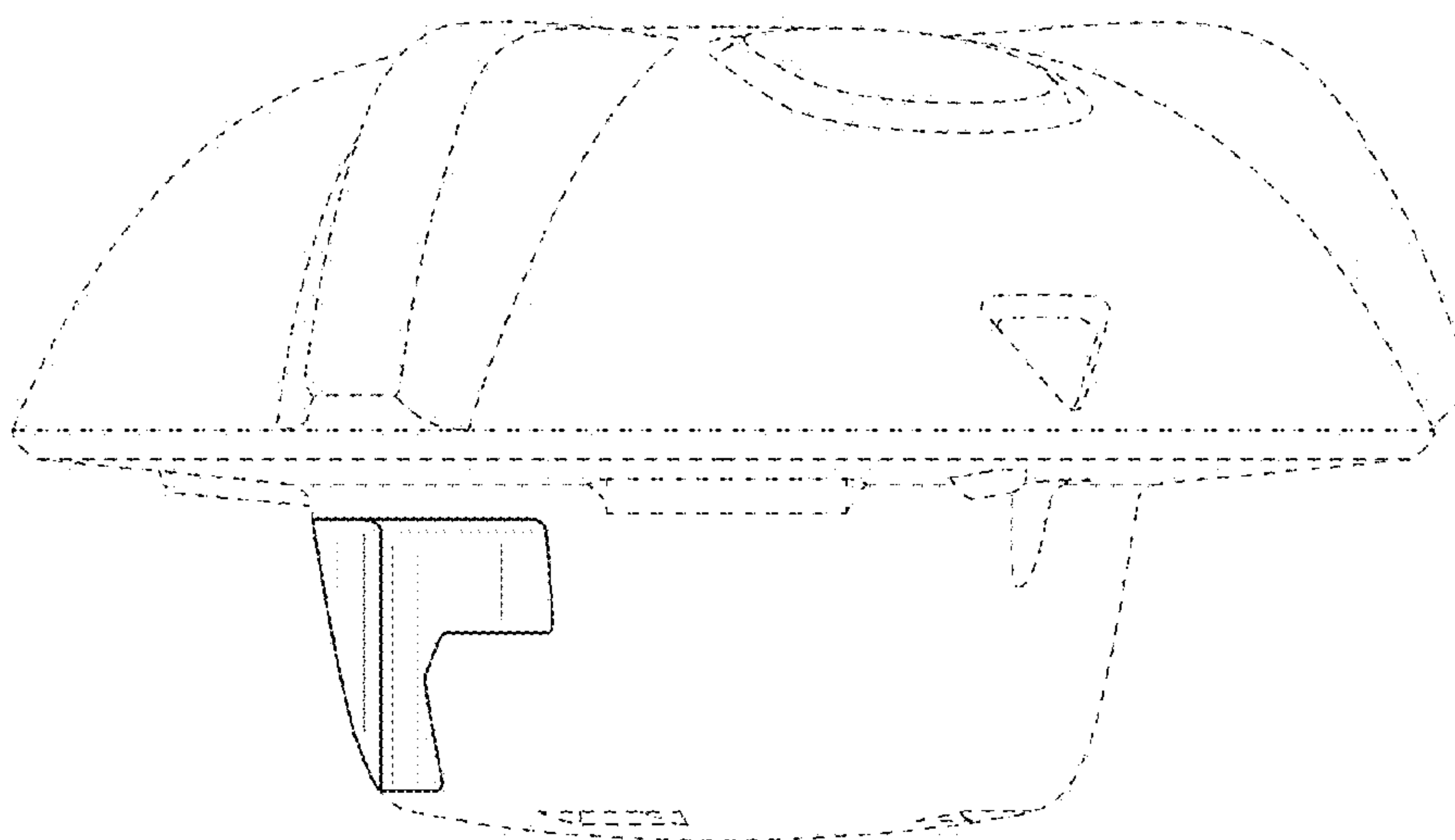


FIG.8

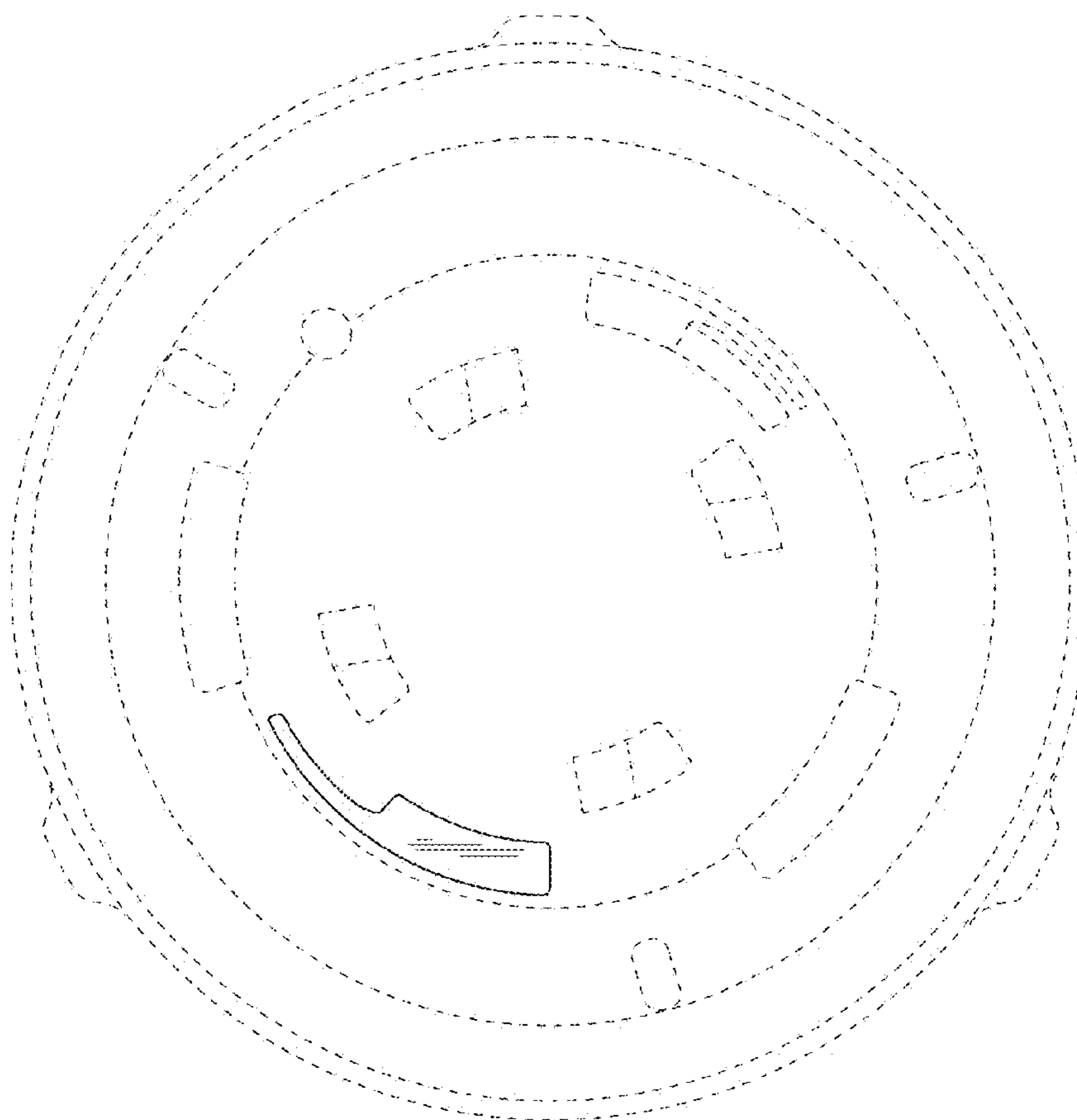


FIG.9

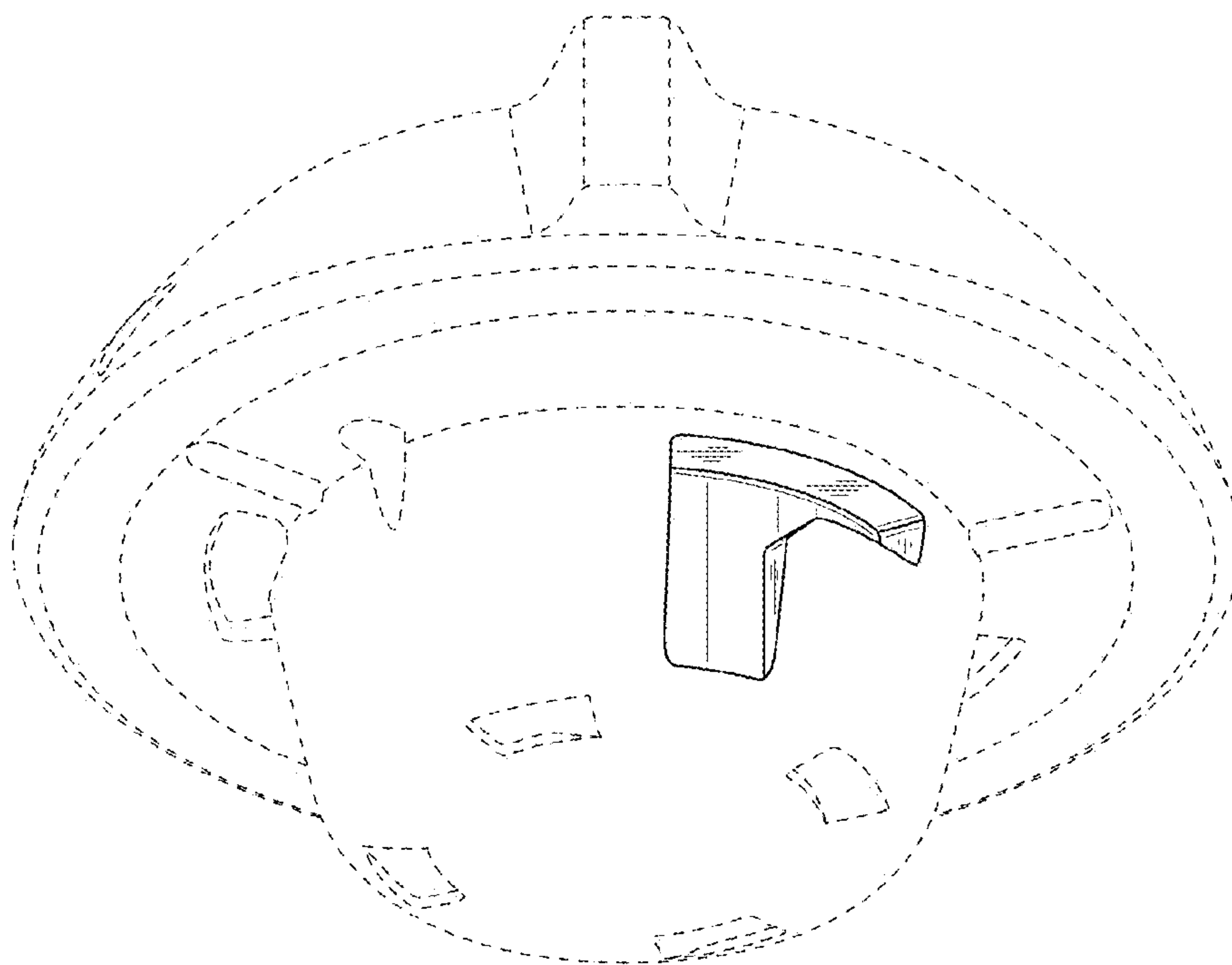


FIG.10

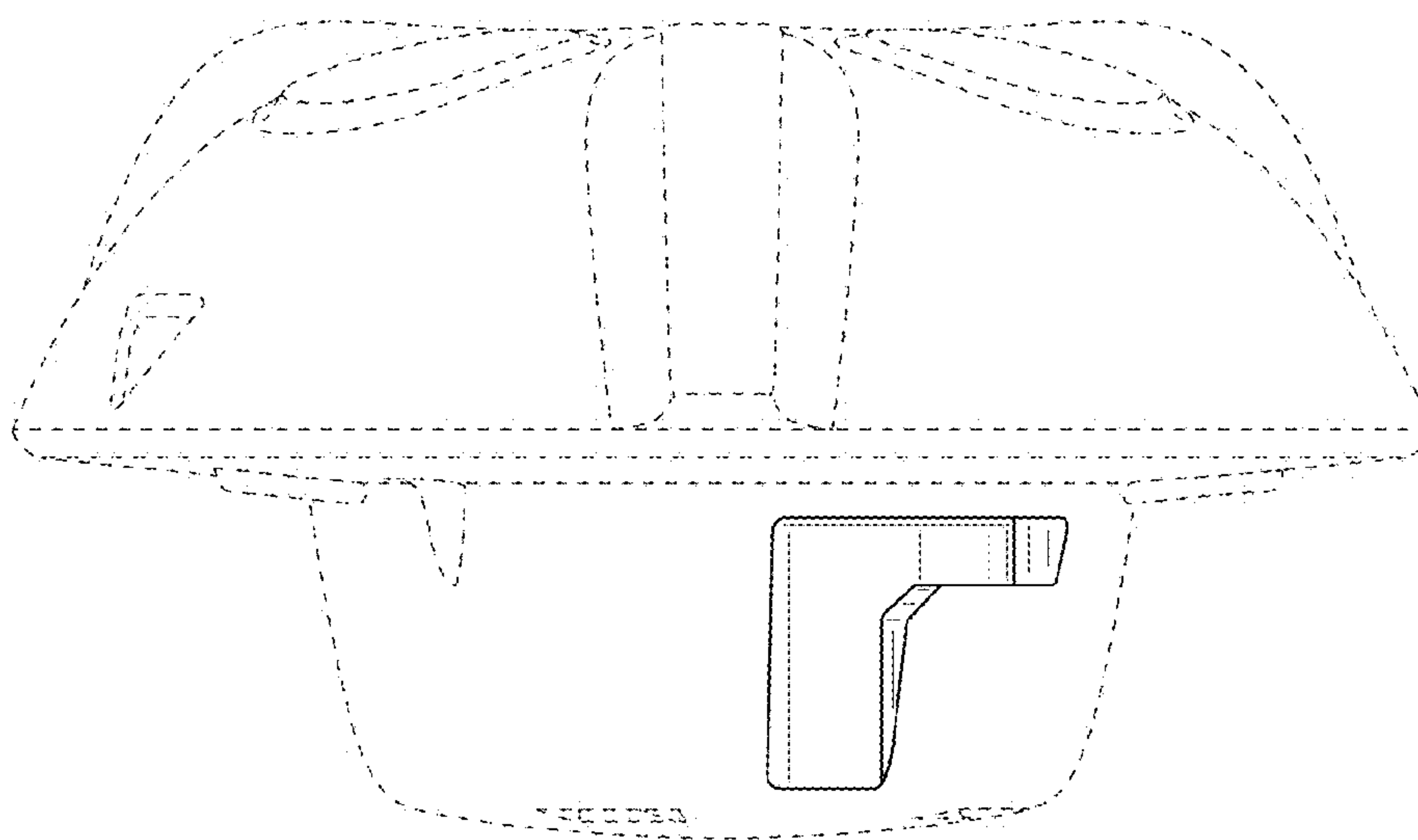


FIG.11

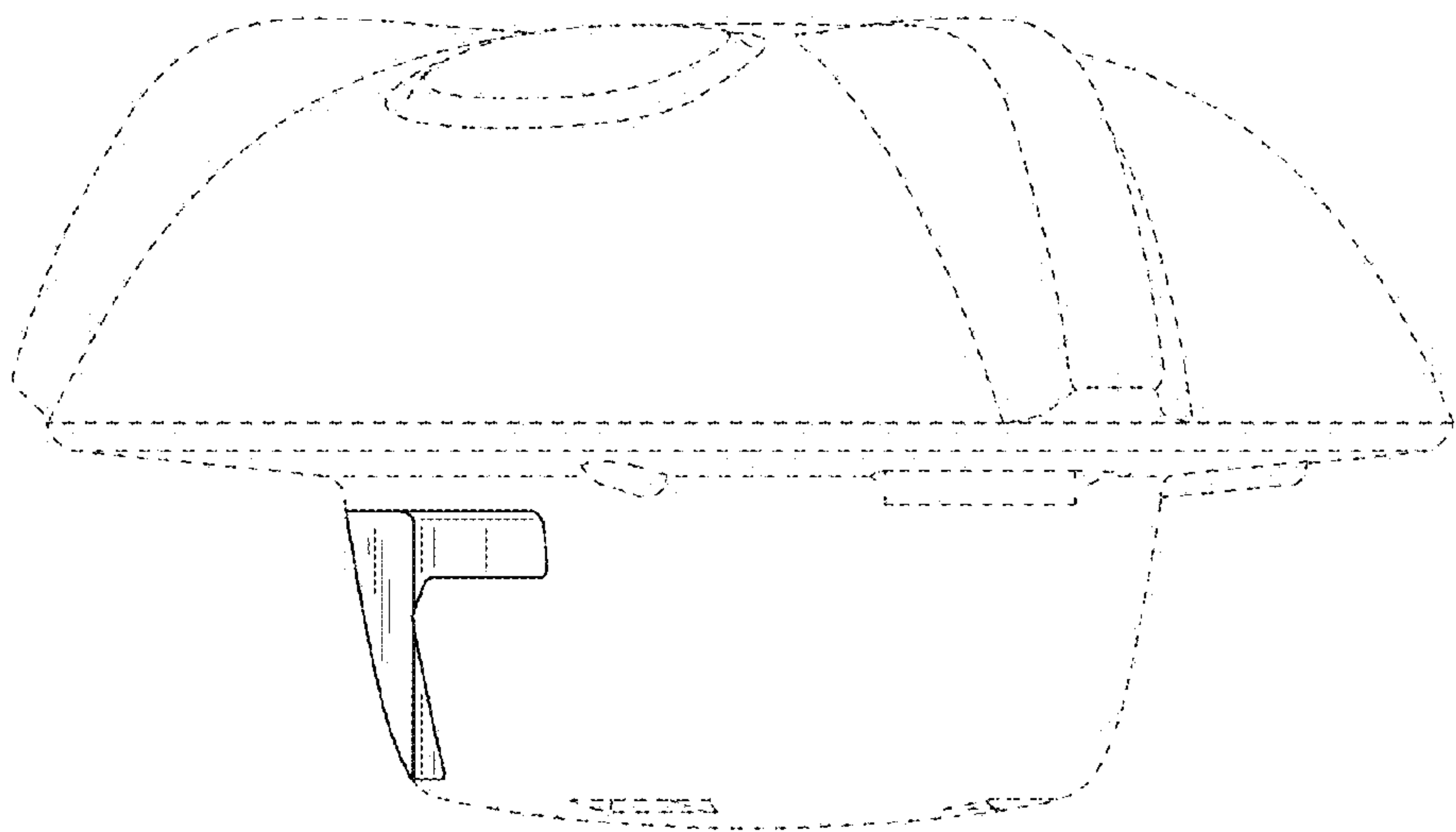


FIG.12

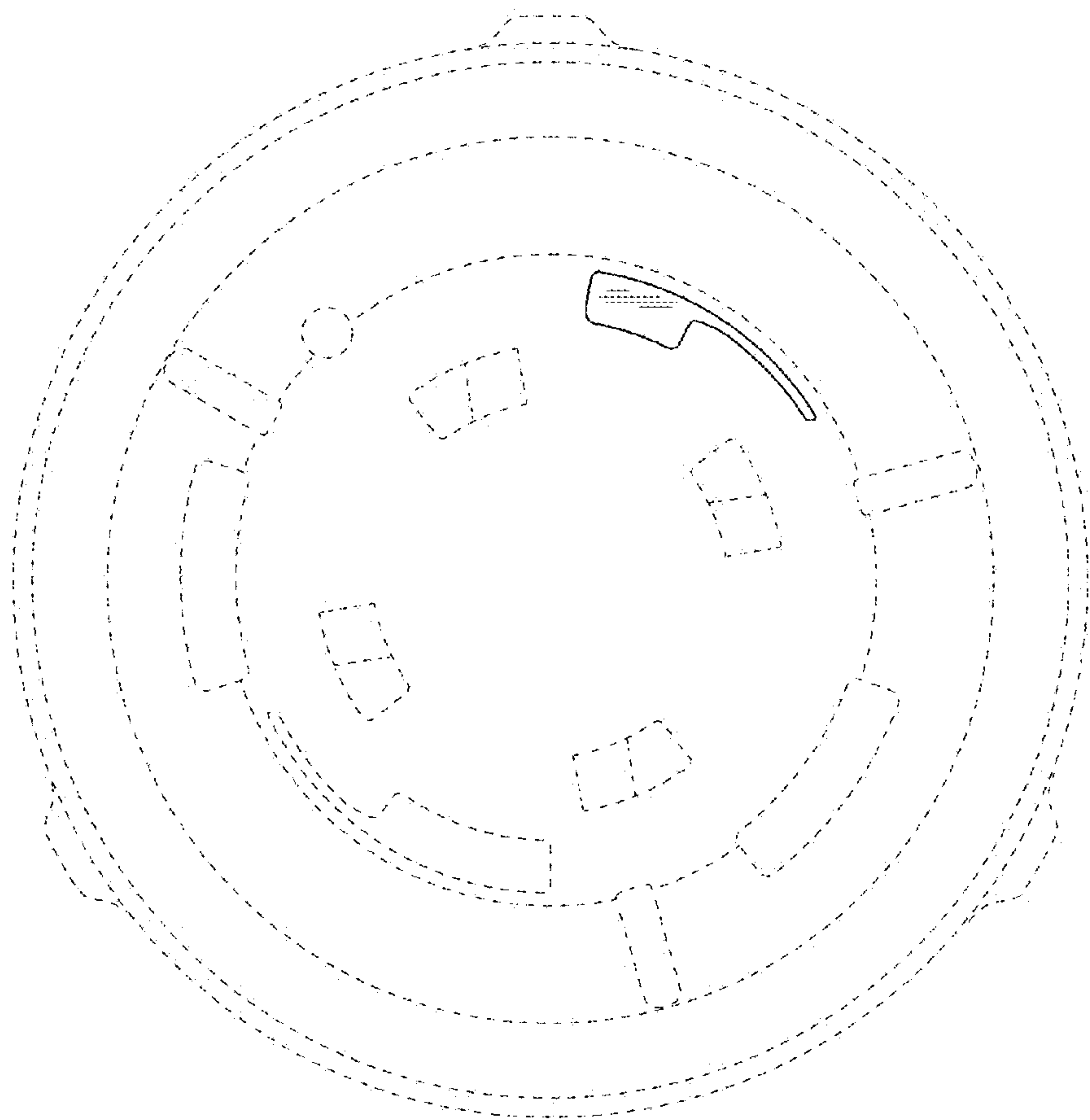


FIG.13

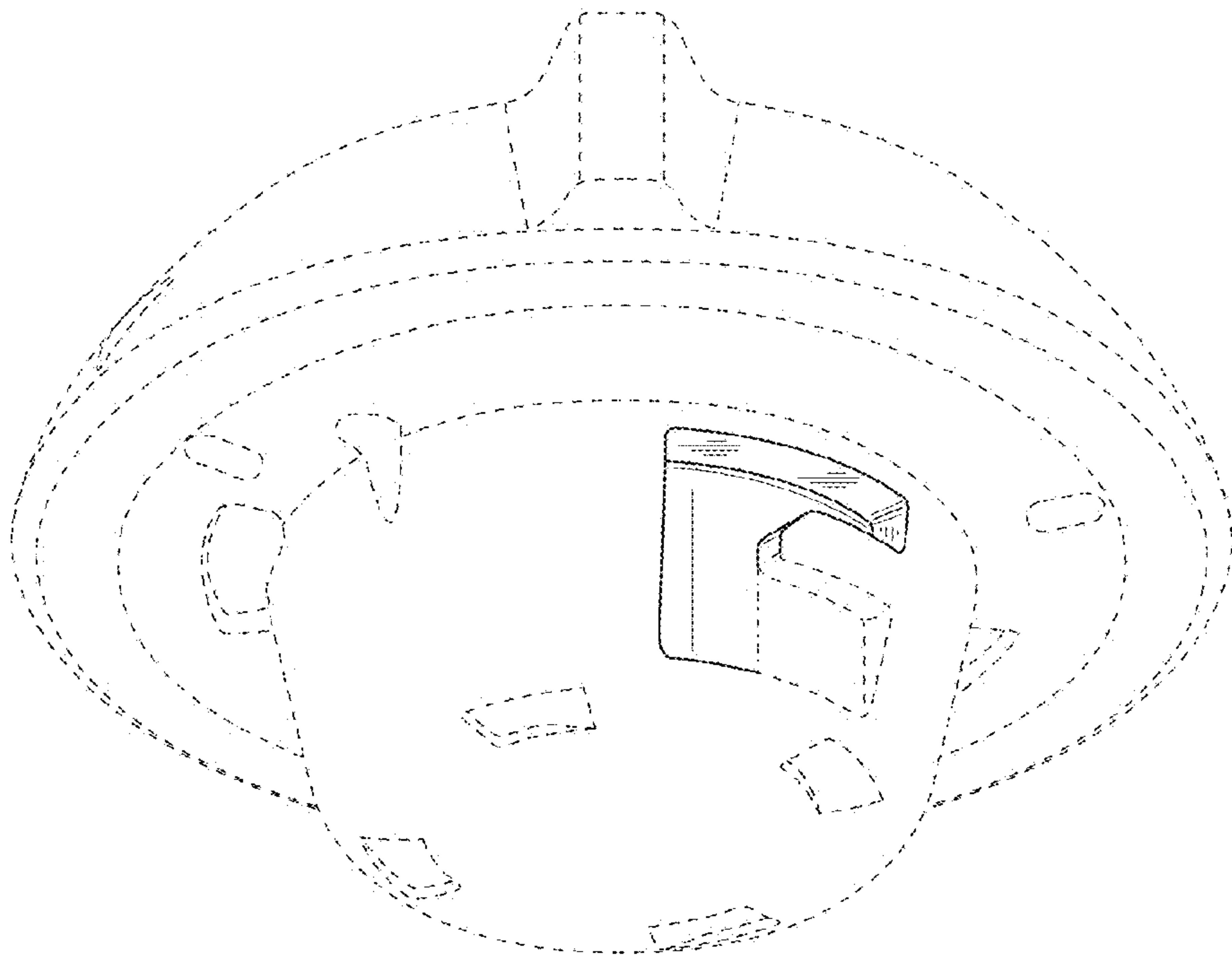


FIG.14

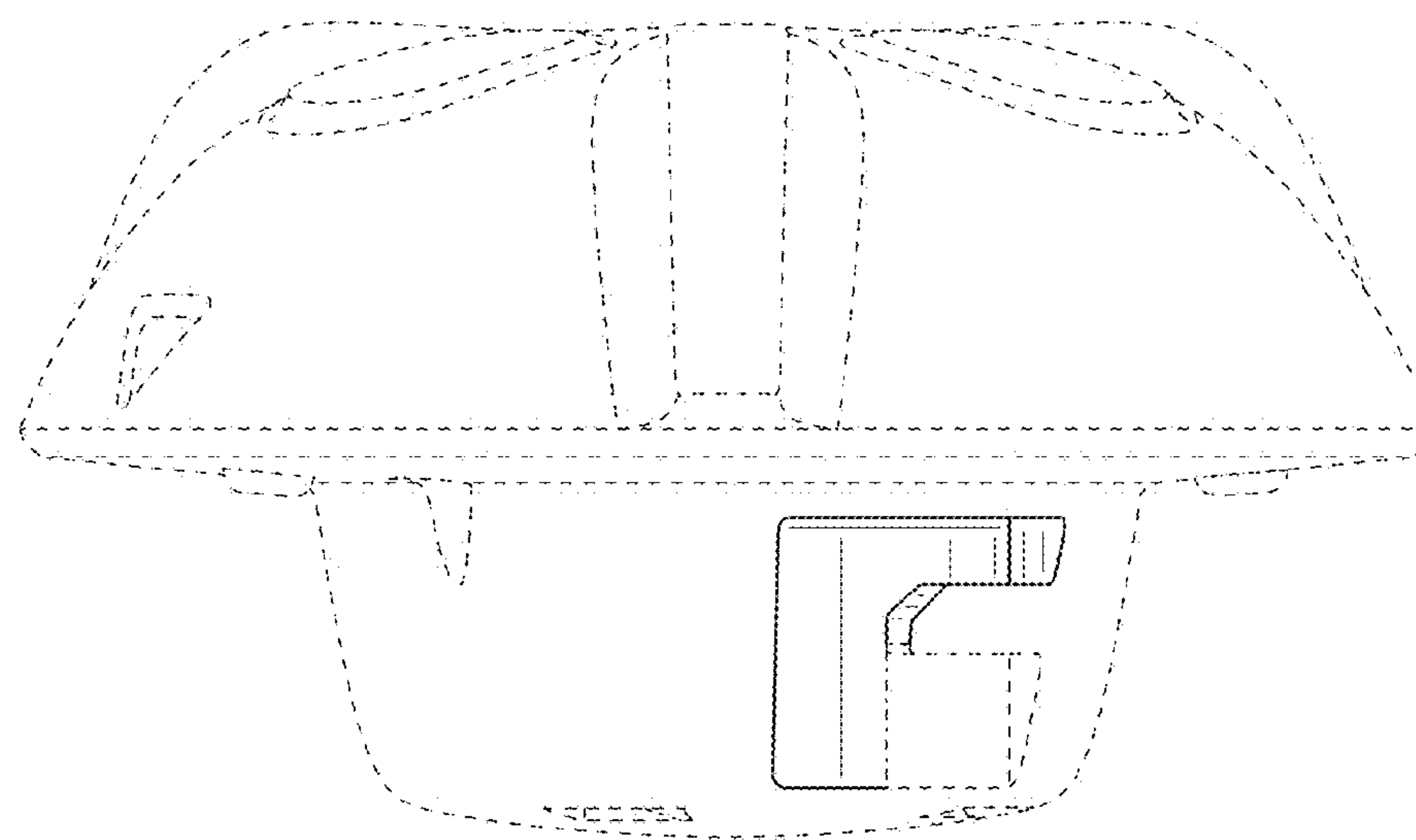


FIG.15

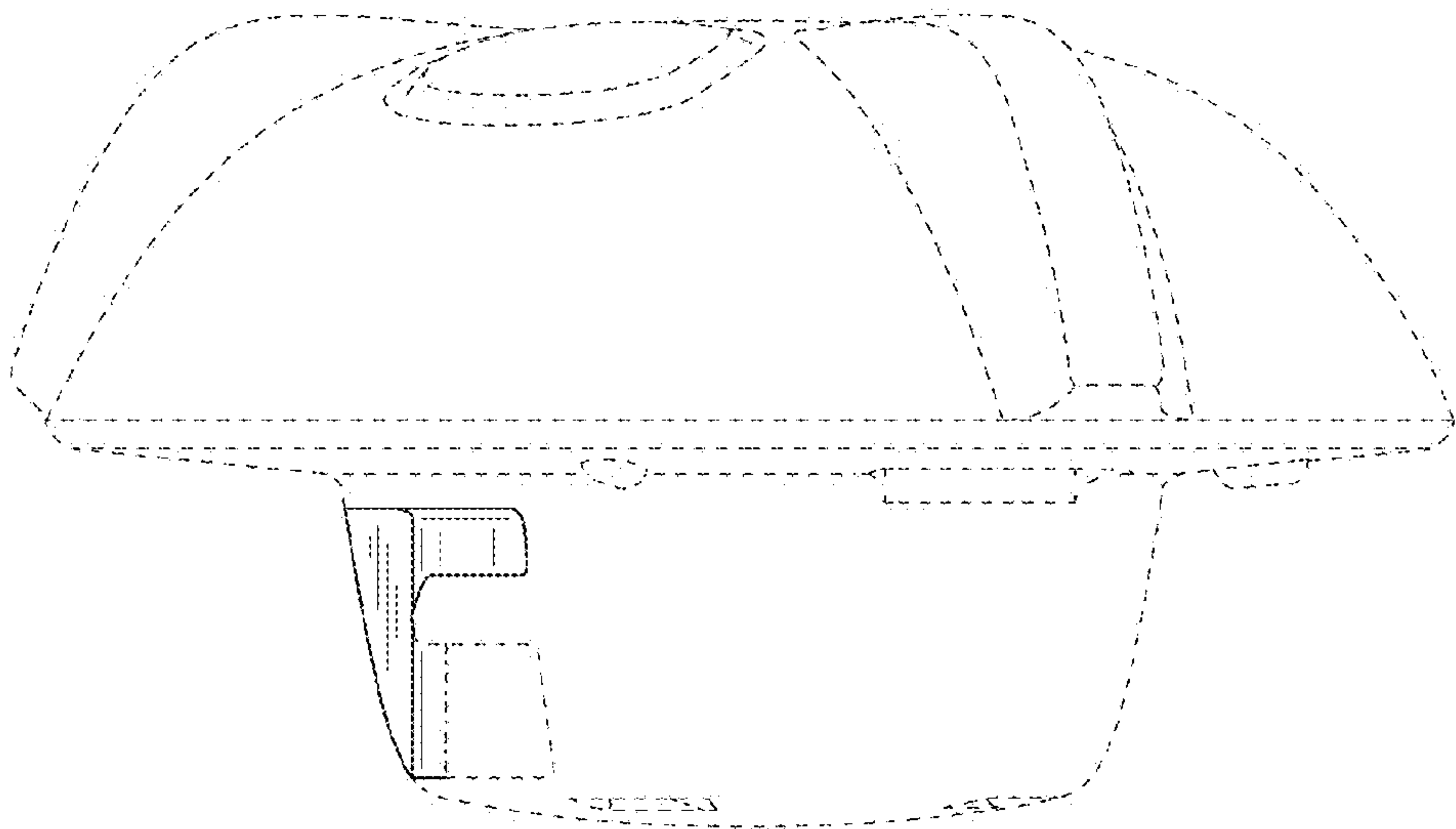


FIG.16

