

US0D1001663S

(12) **United States Design Patent** (10) **Patent No.:** **US D1,001,663 S**
Lock et al. (45) **Date of Patent:** **** Oct. 17, 2023**

(54) **CHEMICAL DETECTOR**

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(73) Assignee: **GENTEX CORPORATION**, Zeeland, MI (US)

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

(21) Appl. No.: **29/821,552**

(22) Filed: **Dec. 30, 2021**

(51) **LOC (14) Cl.** **10-04**

(52) **U.S. Cl.**

USPC **D10/81**

(58) **Field of Classification Search**

USPC D10/81

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B60H 2003/0683; G01N 33/0031; G01N
1/2226; G01N 31/22; G01N 33/0075;
G01N 27/128; G01N 15/06; G01N
27/122; G01N 2015/0693; G01N
33/0047; G01N 27/127; G01N 21/75;
G01N 31/225; G01N 33/004; G01N
2201/061; G01N 2201/068; G01N
27/126; G01N 33/0063; B82Y 30/00;
G08B 7/06; G08B 17/10; G08B 17/107

See application file for complete search history.

(56) **References Cited**

U.S. PATENT DOCUMENTS

D365,293 S * 12/1995 Stallings D10/81
D365,528 S * 12/1995 Shibuya D10/81

10,962,493 B2 3/2021 Cammenga et al.
11,175,233 B2 11/2021 Hallack et al.
11,181,497 B2 11/2021 Turnbull et al.
D988,882 S * 6/2023 Chapman D10/81
2020/0198436 A1 6/2020 Remijn et al.
2021/0116432 A1 4/2021 Behm et al.

* cited by examiner

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(57) **CLAIM**

We claim the ornamental design for a chemical detector, as shown and described herein.

DESCRIPTION

FIG. 1 is a front perspective view of a chemical detector of the present disclosure;

FIG. 2 is a rear perspective view of the chemical detector of FIG. 1;

FIG. 3 is a front elevational view of the chemical detector of FIG. 1;

FIG. 4 is a rear elevational view of the chemical detector of FIG. 1;

FIG. 5 is a first side elevational view of the chemical detector of FIG. 1;

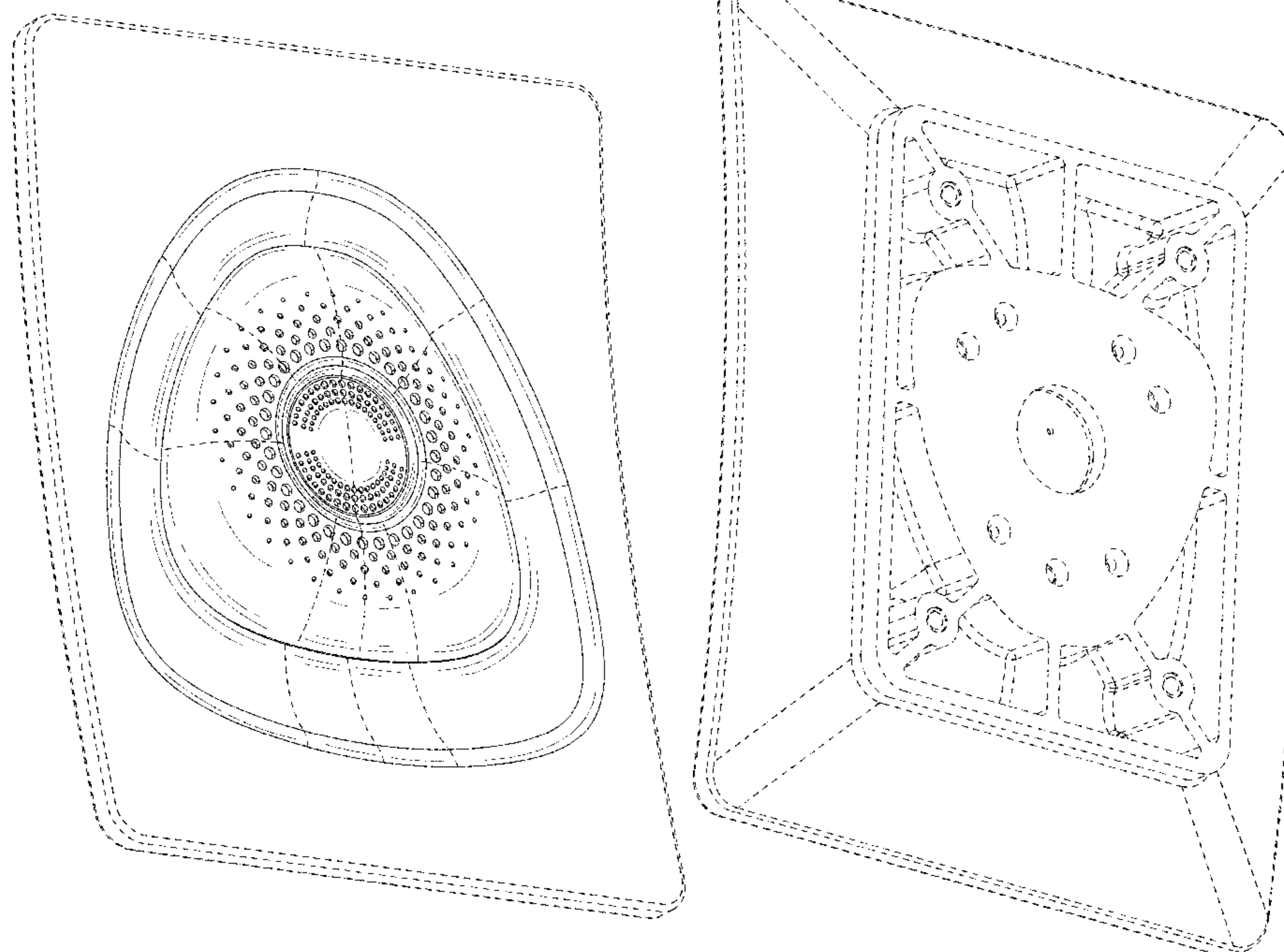
FIG. 6 is a second side elevational view of the chemical detector of FIG. 1;

FIG. 7 is a top plan view of the chemical detector of FIG. 1; and,

FIG. 8 is a bottom plan view of the chemical detector of FIG. 1.

The broken lines depict portions of the article that form no part of the claimed design.

1 Claim, 8 Drawing Sheets



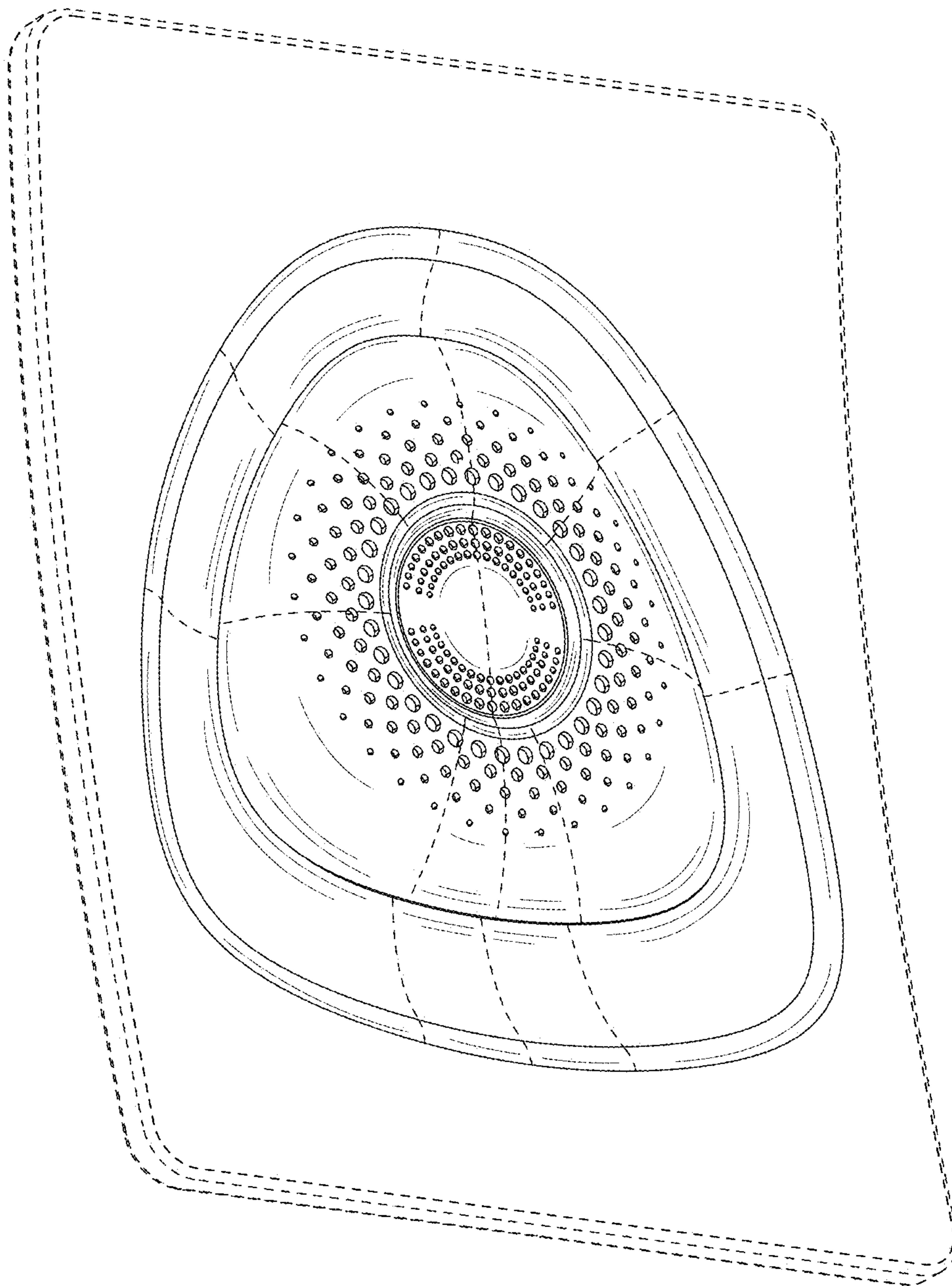


FIG. 1

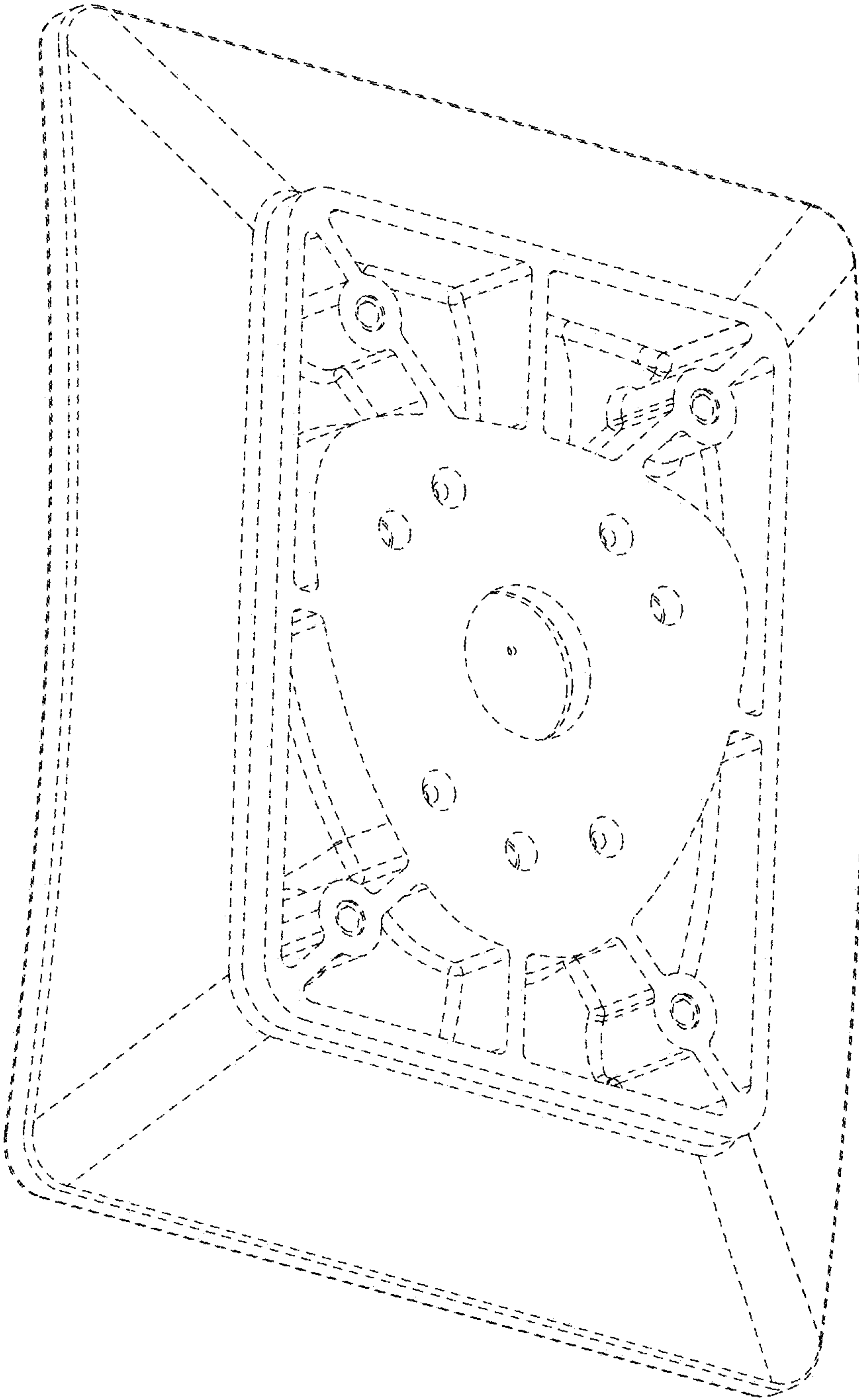


FIG. 2

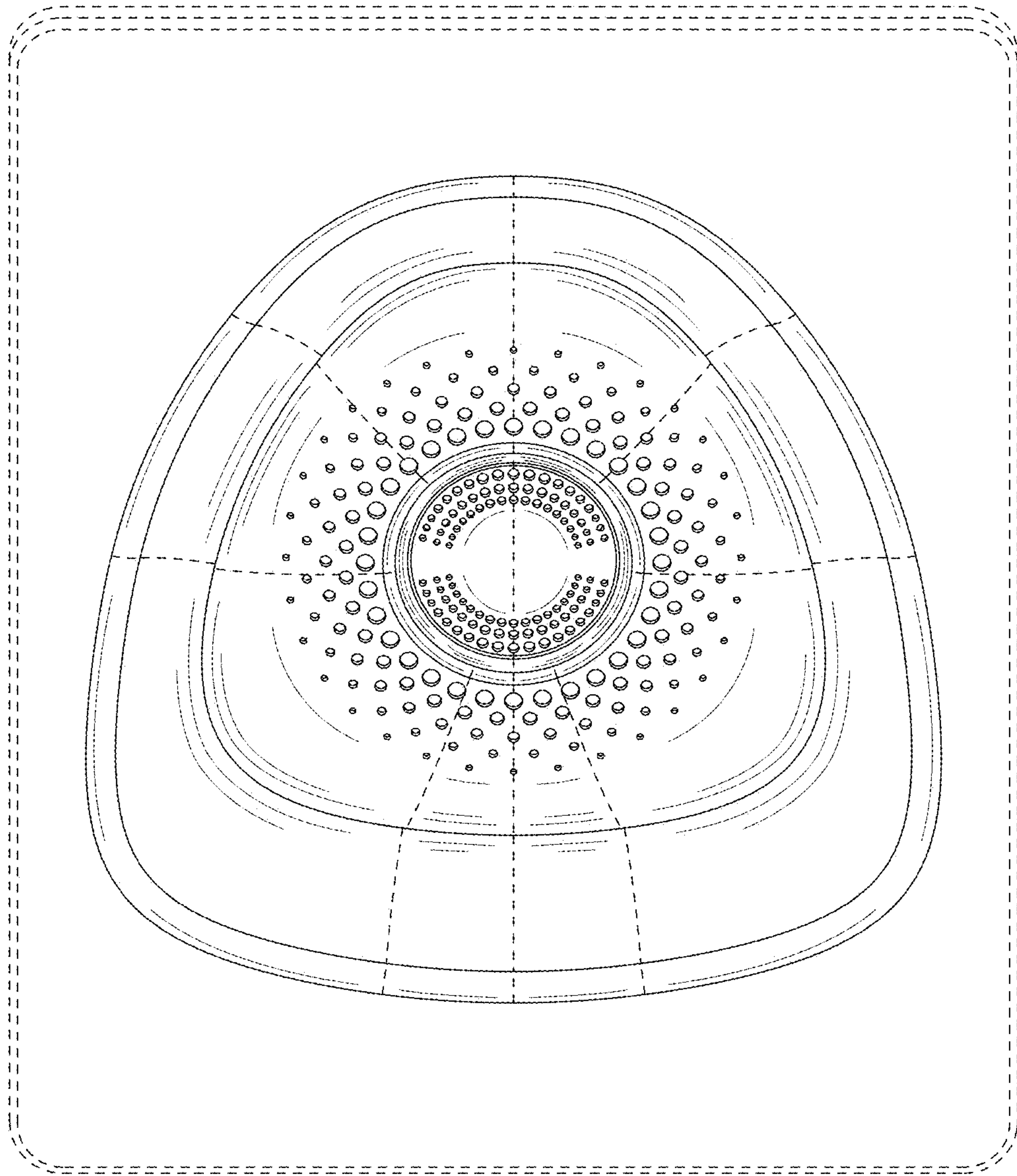


FIG. 3

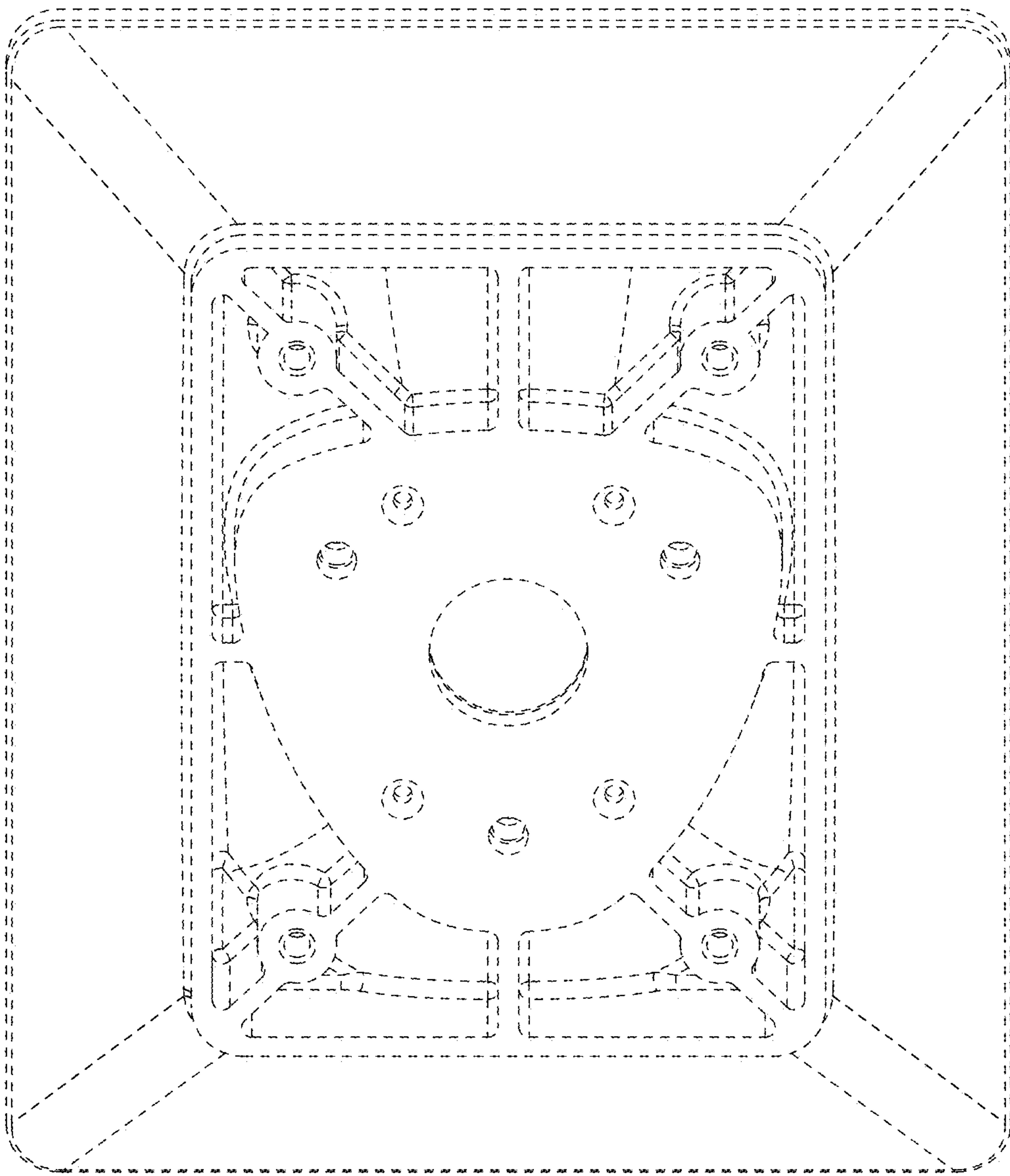


FIG. 4

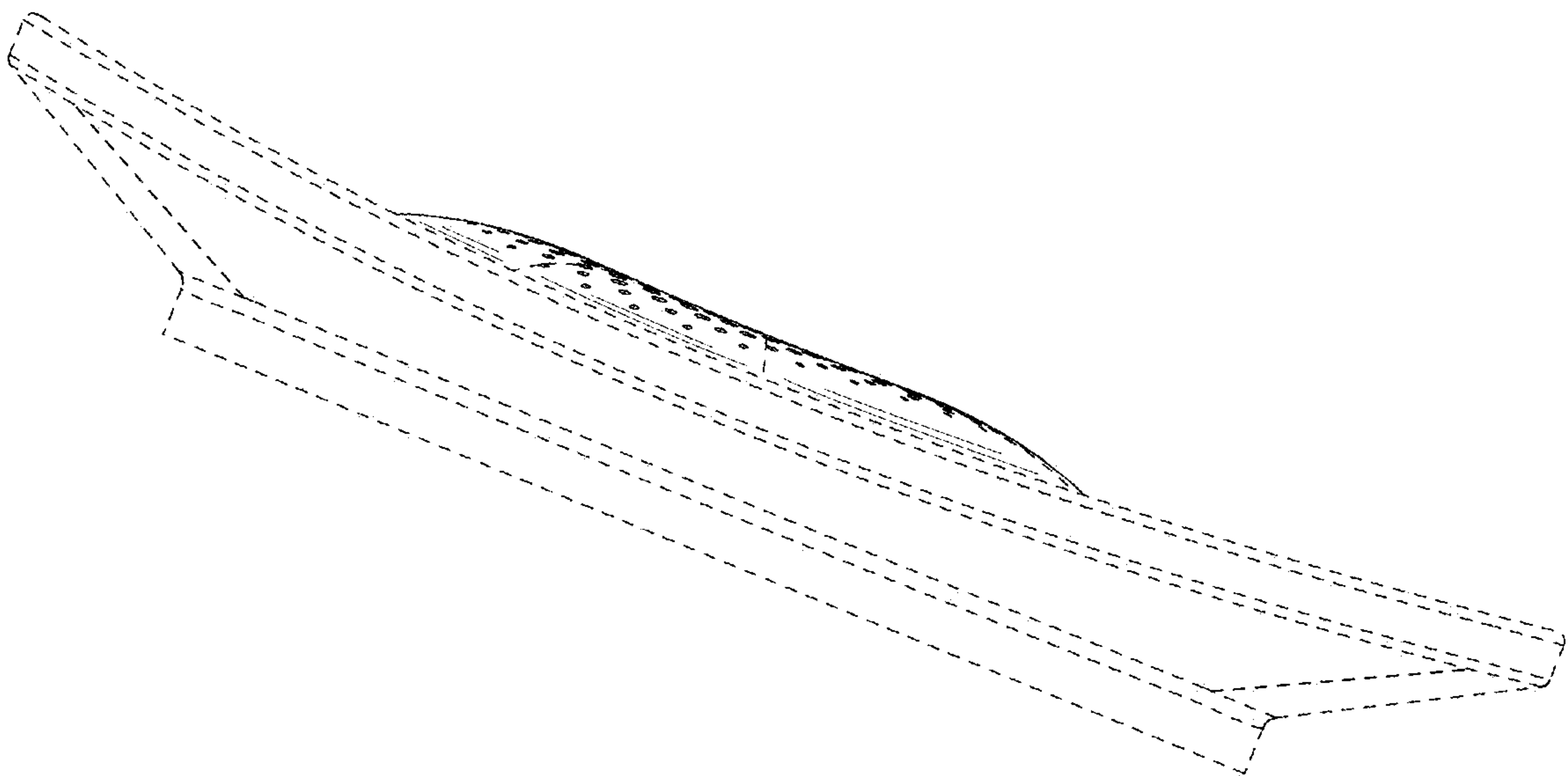


FIG. 5

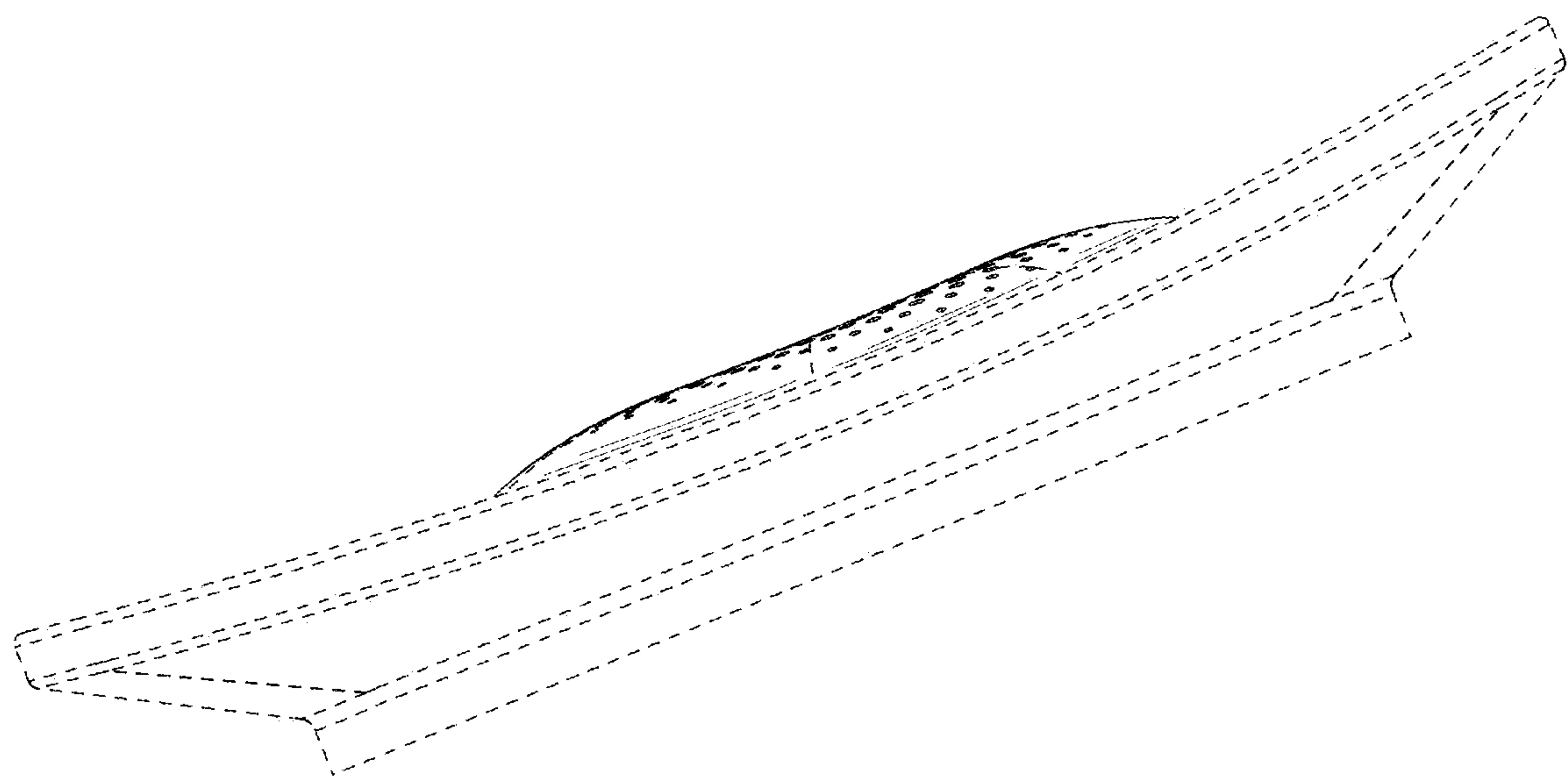


FIG. 6

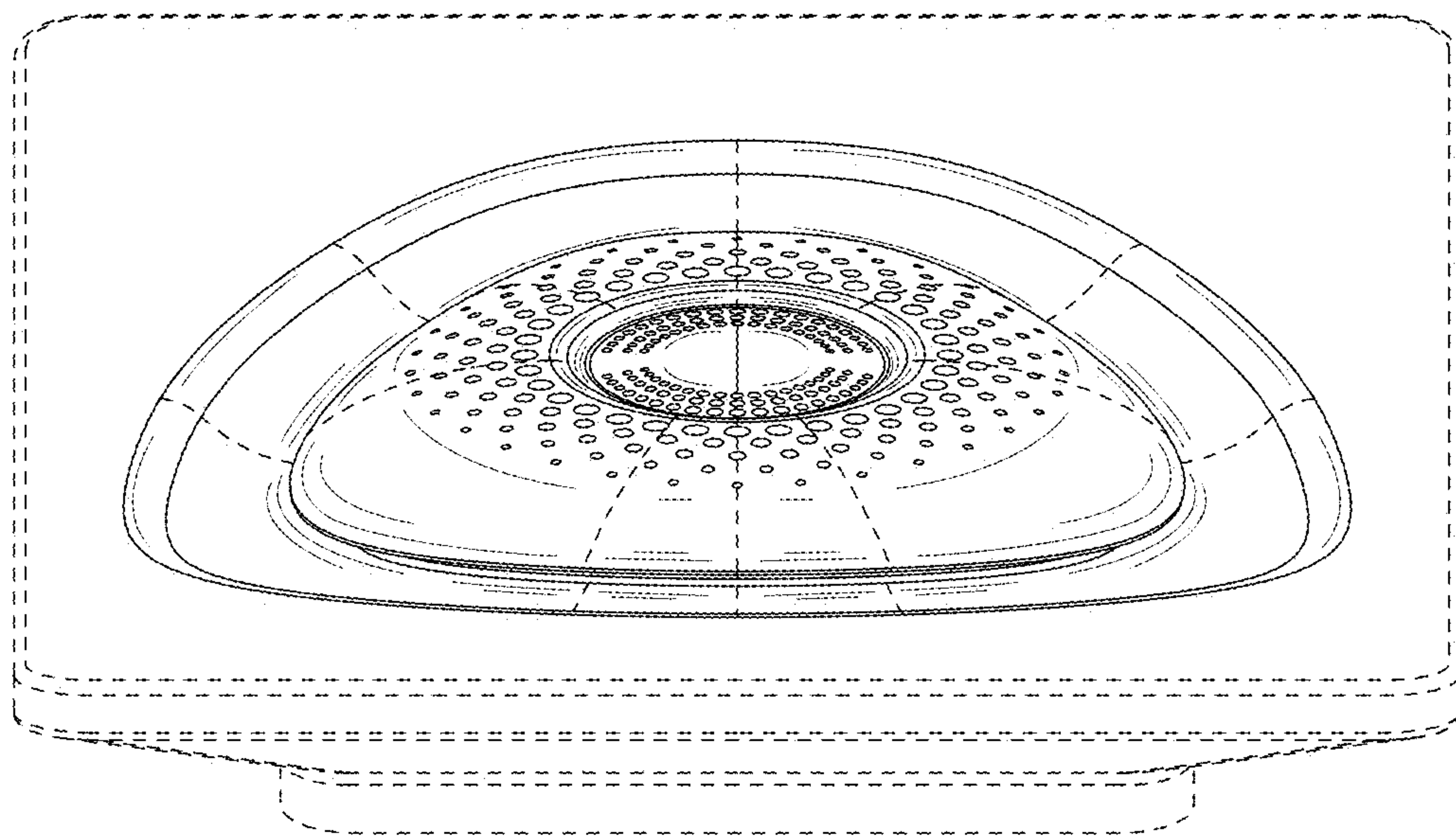


FIG. 7

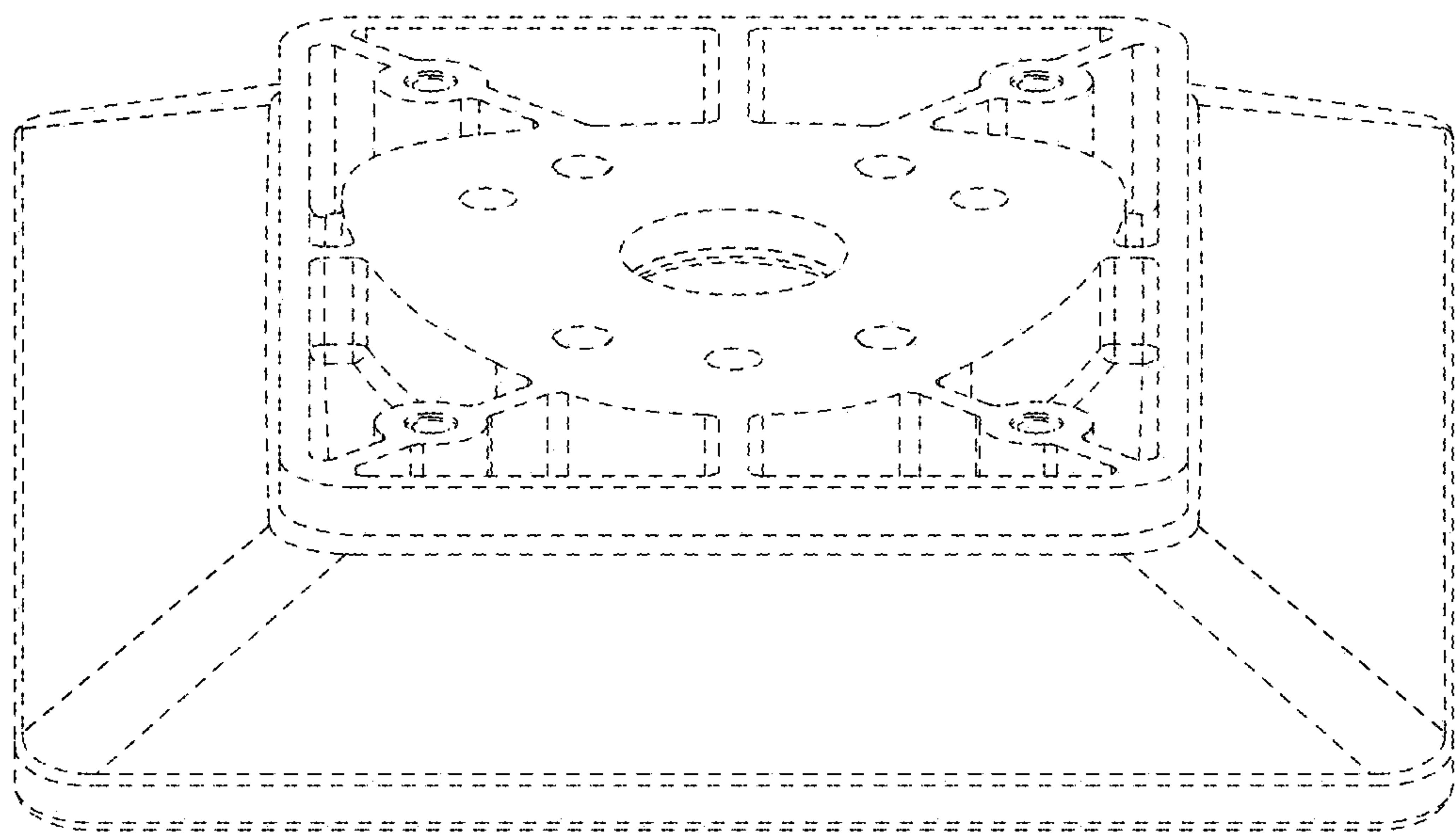


FIG. 8