



US00D851070S

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

(10) **Patent No.:** **US D851,070 S**
(45) **Date of Patent:** **** Jun. 11, 2019**

(54) **ACOUSIC TRANSDUCER**

H04R 3/002; H04R 3/005; H04R 3/007;
H04R 5/04; H04R 7/06; H04R 7/12;
H04R 7/20

(71) Applicant: **Tymphany HK Limited**, Wanchai
(HK)

See application file for complete search history.

(72) Inventors: **Zhan Yu Bing**, Huizhou (CN); **Xie hong Zai**, LiLing (CN); **Yang Shao Lin**, Huizhou (CN)

(56) **References Cited**

U.S. PATENT DOCUMENTS

(73) Assignee: **TYMPHANY HK LIMITED**, Wan Chai (HK)

D494,959 S *	8/2004	Williamson	.....	D14/222
D496,353 S *	9/2004	Williamson	.....	D14/222
D620,478 S *	7/2010	Chen	.....	D14/215
D650,367 S *	12/2011	Chen	.....	D14/222
D656,921 S *	4/2012	Chen	.....	D14/214
D682,810 S *	5/2013	Chen	.....	D14/172
D687,020 S *	7/2013	Trainer	.....	D14/222
D797,067 S *	9/2017	Zhang	.....	D13/182

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

* cited by examiner

(21) Appl. No.: **29/610,005**

(22) Filed: **Jul. 7, 2017**

Primary Examiner — Khawaja Anwar

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

(52) **U.S. Cl.**
USPC **D14/217**

(74) *Attorney, Agent, or Firm* — Cantor Colburn LLP

(58) **Field of Classification Search**
USPC D14/217, 204, 207, 209, 210, 211, 212, D14/213, 214, 215, 216, 221, 222, 224
CPC H04R 2201/003; H04R 2420/07; H04R 3/12; H04R 27/00; H04R 9/08; H04R 19/04; H04R 1/1016; H04R 1/2857; H04R 2410/03; H04R 2499/11; H04R 31/00; H04R 17/00; H04R 19/005; H04R 19/016; H04R 1/026; H04R 1/04; H04R 1/08; H04R 1/1008; H04R 1/1041; H04R 1/1075; H04R 1/1083; H04R 1/24; H04R 1/2834; H04R 1/2846; H04R 1/2892; H04R 1/323; H04R 1/406; H04R 2225/33; H04R 2225/41; H04R 2225/49; H04R 2410/01; H04R 2430/01; H04R 2460/03; H04R 25/453; H04R 25/505; H04R 25/554; H04R 25/606; H04R 29/001; H04R 29/004; H04R 29/005;

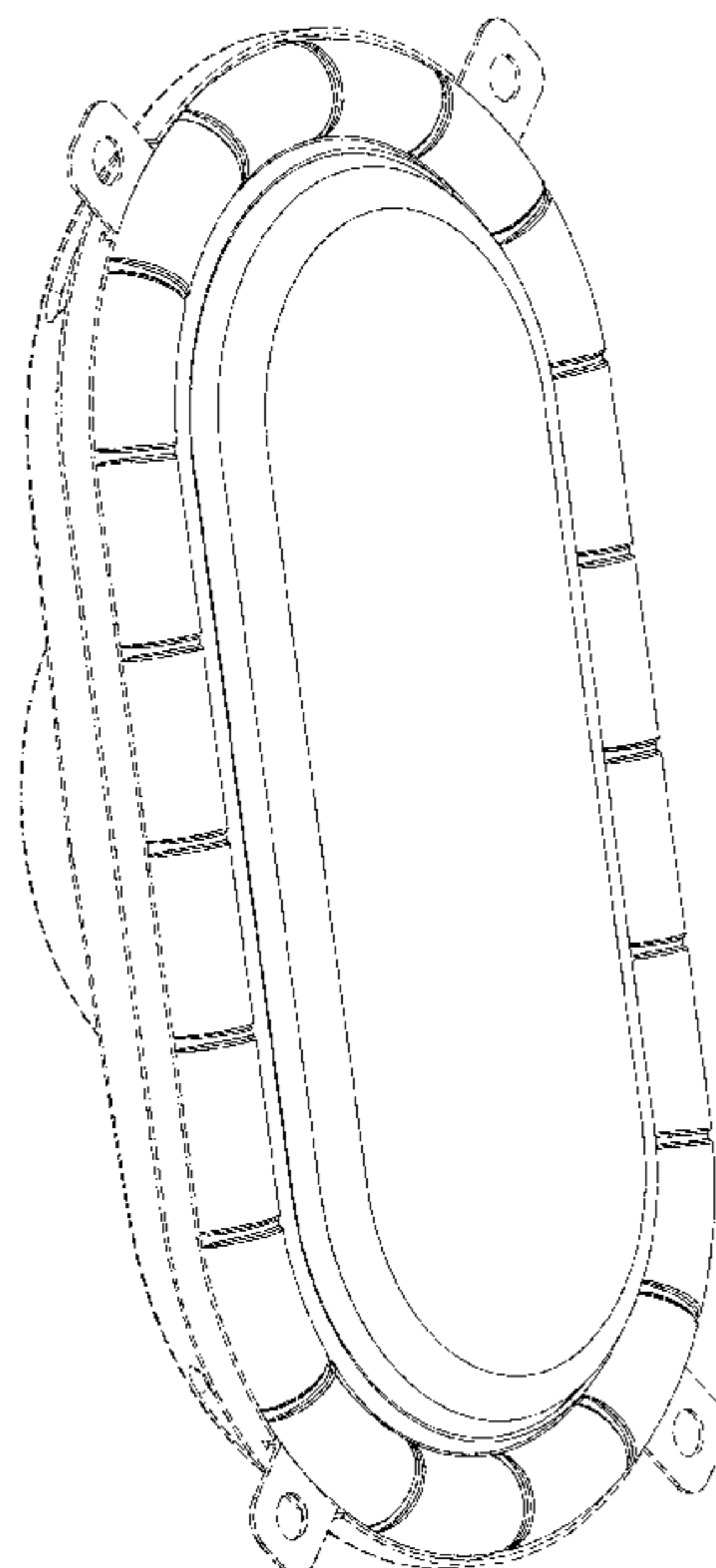
(57) **CLAIM**

We claim, the ornamental design for an acoustic transducer, as shown and described.

DESCRIPTION

FIG. 1 is a front and side perspective view of an acoustic transducer, showing our new design;
FIG. 2 is a front view thereof;
FIG. 3 is a rear view thereof;
FIG. 4 is a side view thereof taken from the right of FIG. 2;
FIG. 5 is a side view thereof taken from the left of FIG. 2;
FIG. 6 is a top view thereof; and,
FIG. 7 is a bottom view thereof.

1 Claim, 7 Drawing Sheets



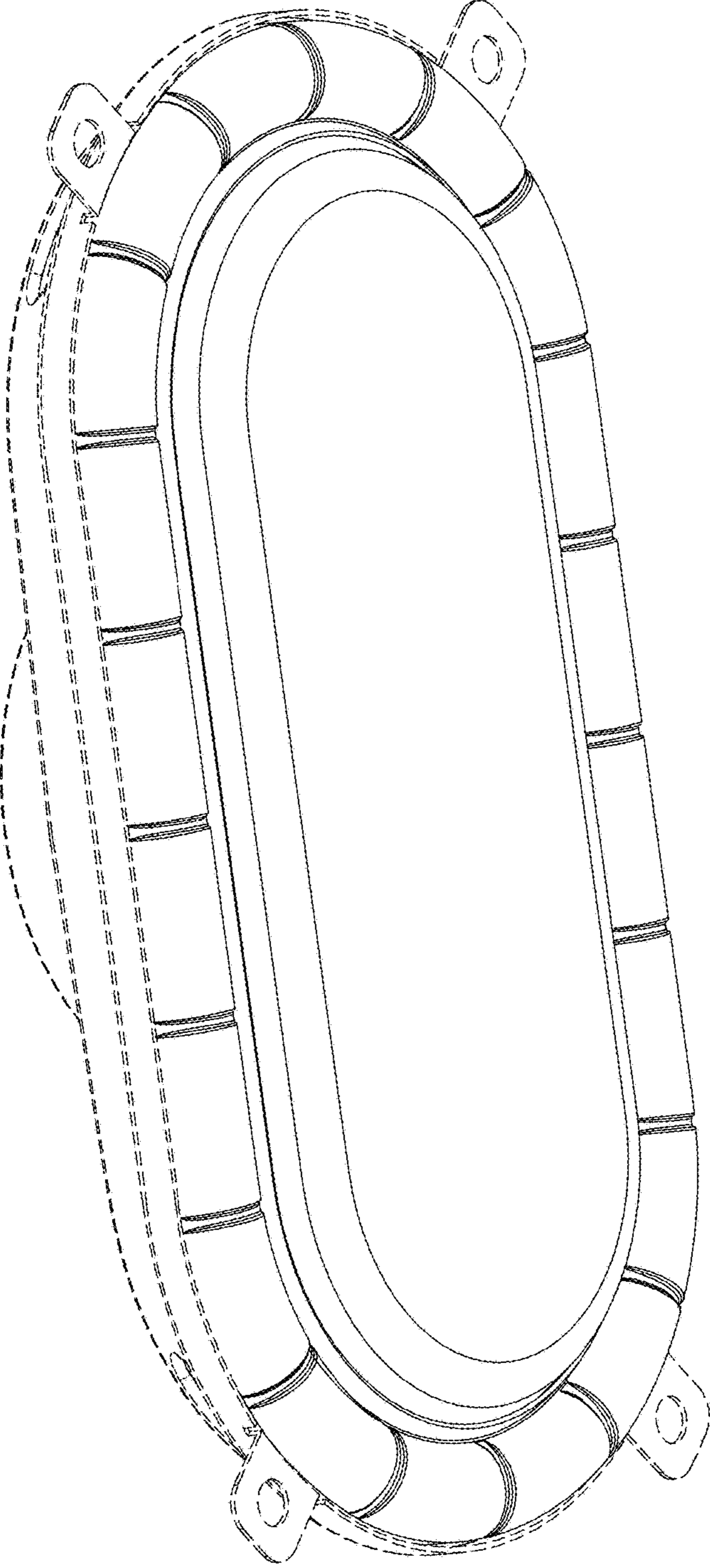


FIG. 1

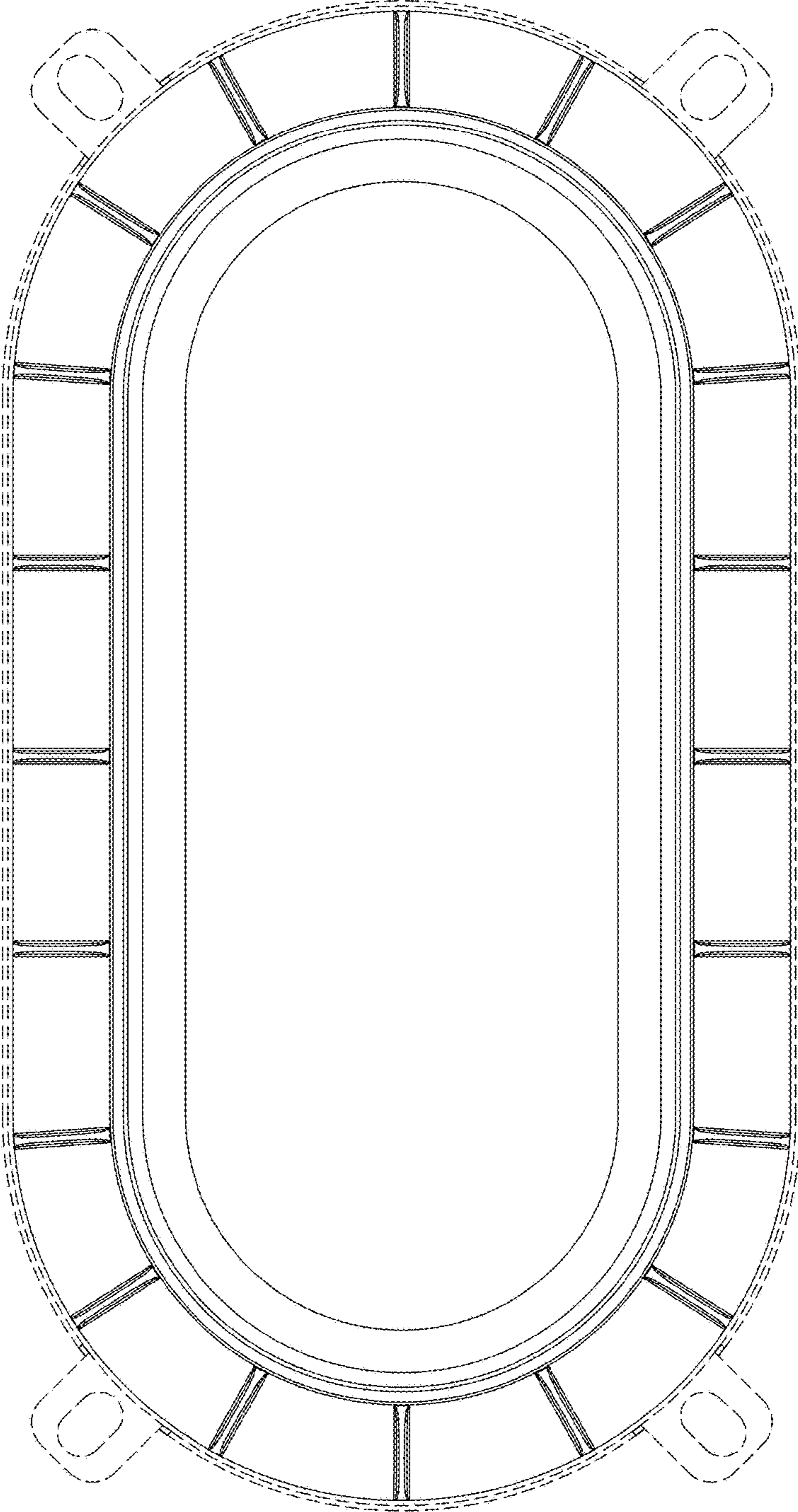


FIG. 2

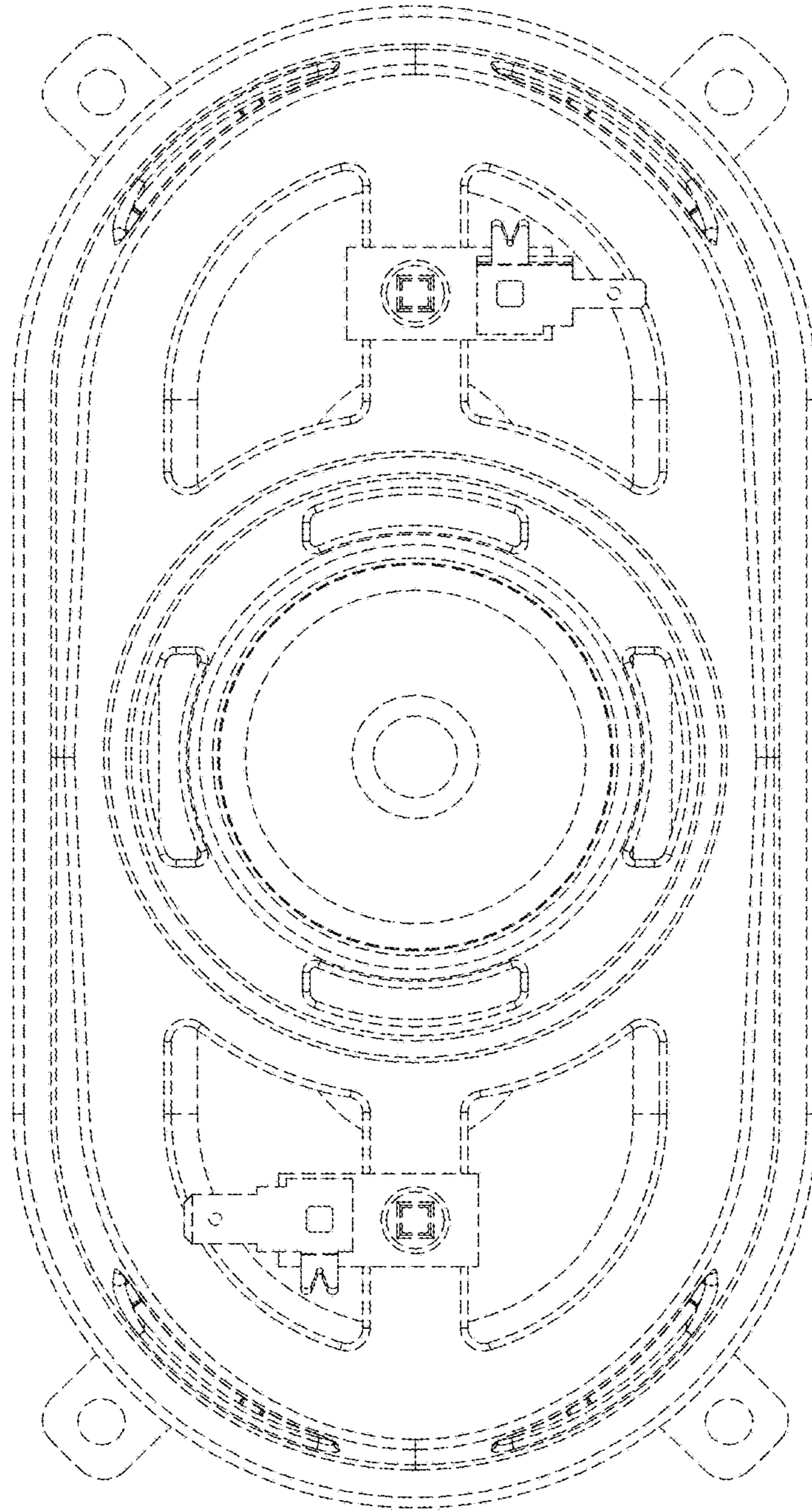


FIG. 3

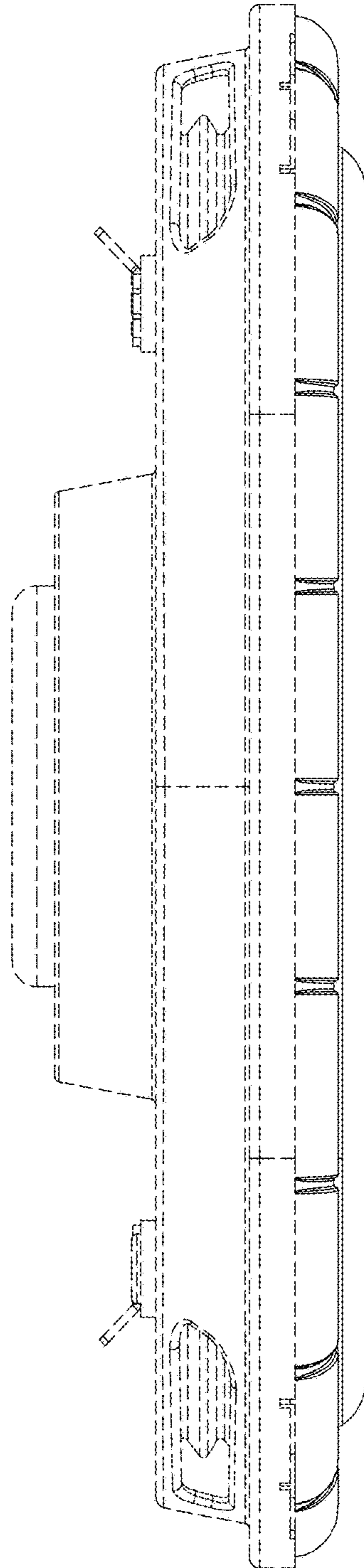


FIG. 4

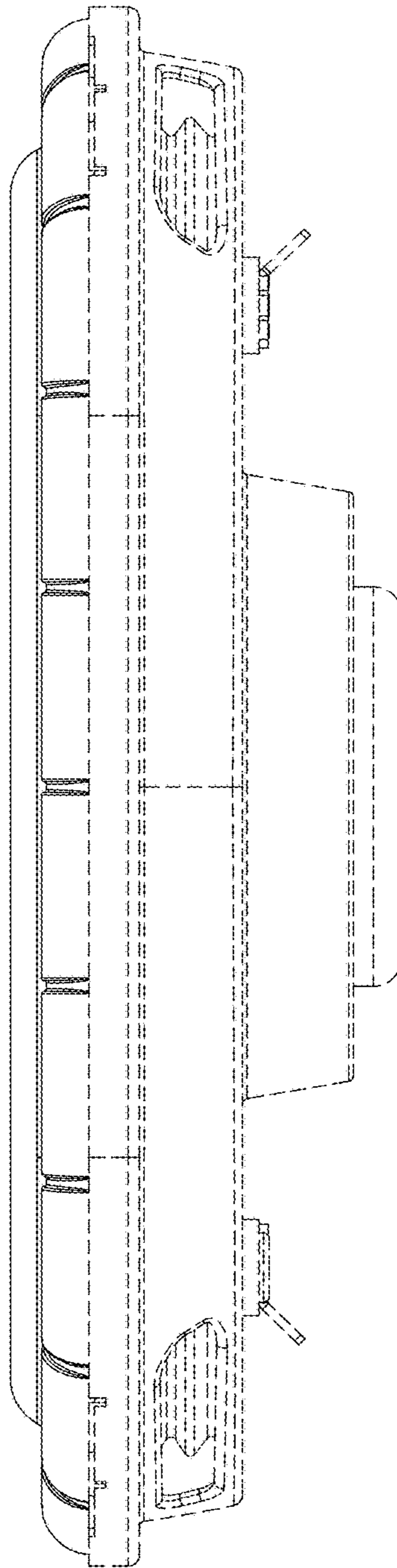


FIG. 5

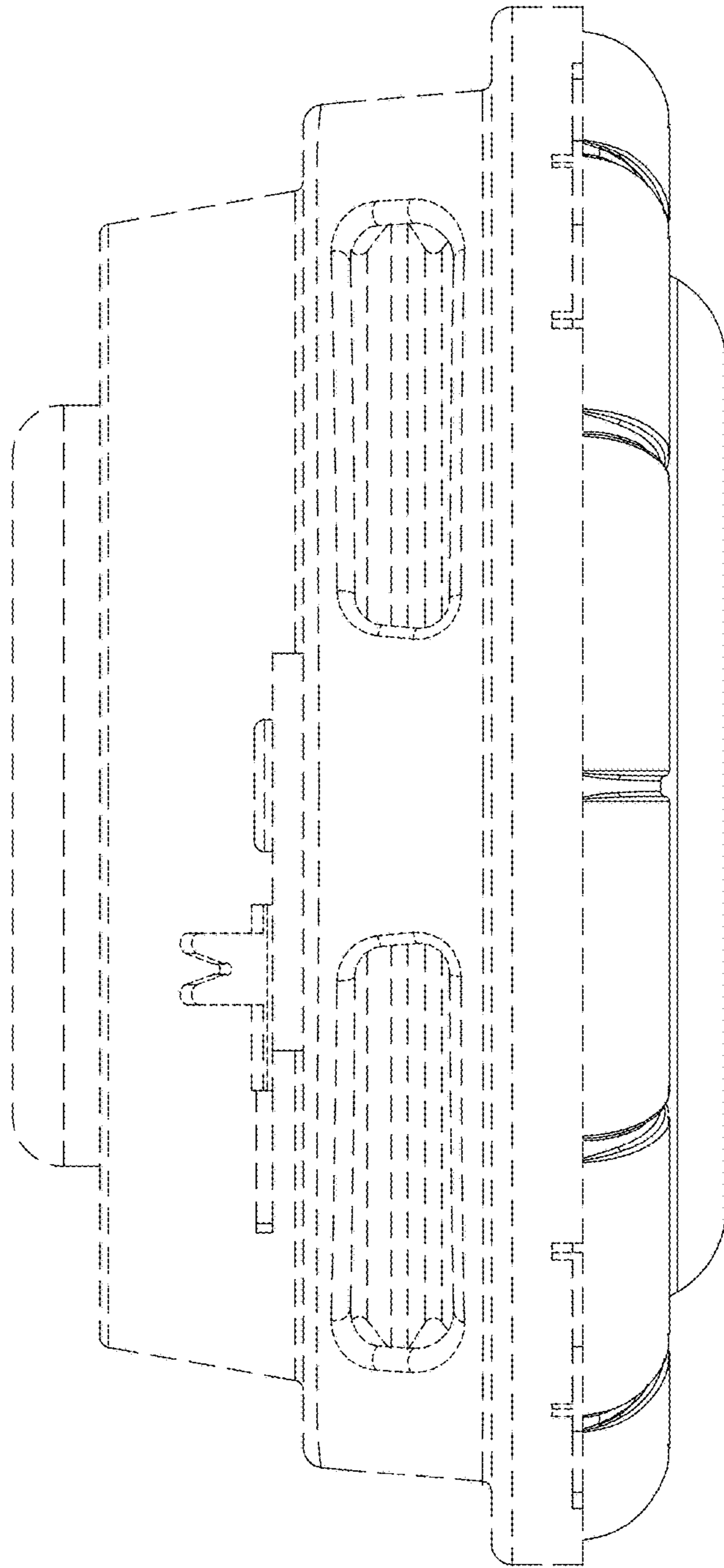


FIG. 6

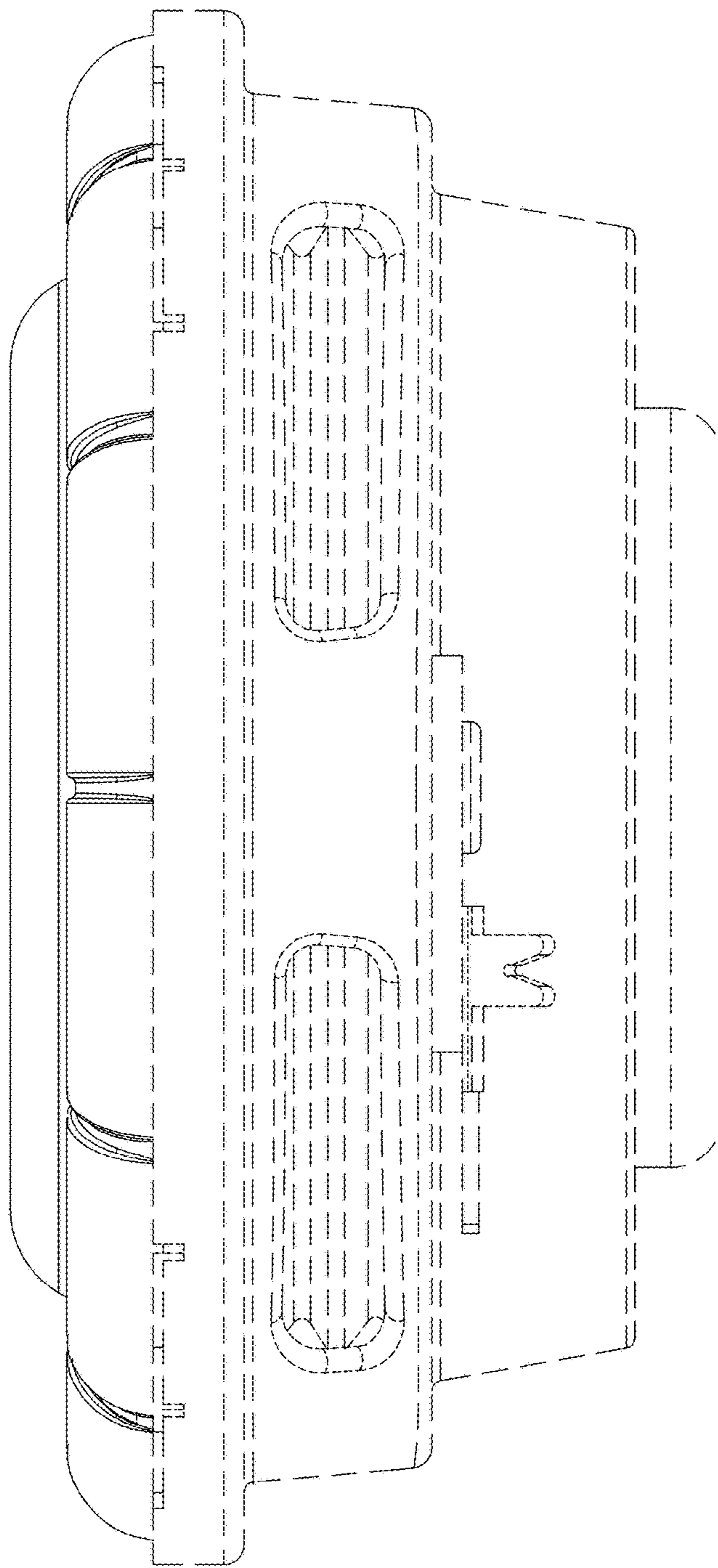


FIG. 7