



US00D974209S

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

(10) **Patent No.:** **US D974,209 S**  
(45) **Date of Patent:** **\*\* Jan. 3, 2023**

(54) **SMOKE AND GAS DETECTOR**  
(71) Applicant: **HANGZHOU EZVIZ SOFTWARE CO., LTD.**, Hangzhou (CN)  
(72) Inventors: **Chongkun Huang**, Hangzhou (CN); **Jiayin Song**, Hangzhou (CN); **Weike Zhu**, Hangzhou (CN)  
(73) Assignee: **HANGZHOU EZVIZ SOFTWARE CO., LTD.**, Hangzhou (CN)

D868,608 S \* 12/2019 Ou ..... D10/106.6  
D885,224 S \* 5/2020 Liu ..... D10/106.5  
D885,225 S \* 5/2020 Liu ..... D10/106.5  
D896,116 S \* 9/2020 Brainard ..... D10/106.5  
D911,198 S \* 2/2021 Zhang ..... D10/106.5  
D911,199 S \* 2/2021 Zhang ..... D10/106.5  
D911,862 S \* 3/2021 Zhang ..... D10/106.5  
D912,556 S \* 3/2021 Zhang ..... D10/106.5  
D931,750 S \* 9/2021 Zhong ..... D10/106.5  
2015/0339896 A1 \* 11/2015 Stagg ..... G08B 17/113  
340/521

(\*\*) Term: **15 Years**  
(21) Appl. No.: **29/782,884**  
(22) Filed: **May 10, 2021**

(30) **Foreign Application Priority Data**  
Nov. 9, 2020 (CN) ..... 202030674045.3  
(51) **LOC (14) Cl.** ..... **10-05**  
(52) **U.S. Cl.**  
USPC ..... **D10/106.5**  
(58) **Field of Classification Search**  
USPC ..... D10/104.1, 104.2, 106.2, 106.3, 106.5,  
D10/106.6, 106.7, 120, 121; D16/203  
CPC .... G08B 17/107; G08B 17/11; G08B 29/043;  
G08B 17/00; G08B 17/10; G08B 29/145;  
G08B 17/103  
See application file for complete search history.

**FOREIGN PATENT DOCUMENTS**

CN 201630390154 \* 12/2016  
CN 201630504450 \* 4/2017  
CN 201830109970 \* 8/2018  
CN 201930502552.6 \* 4/2020  
CN 201930512533.1 \* 7/2020  
CN 202030299557.6 \* 11/2020

\* cited by examiner

*Primary Examiner* — George D. Kirschbaum  
*Assistant Examiner* — Lillian Windham  
(74) *Attorney, Agent, or Firm* — Norton Rose Fulbright US LLP

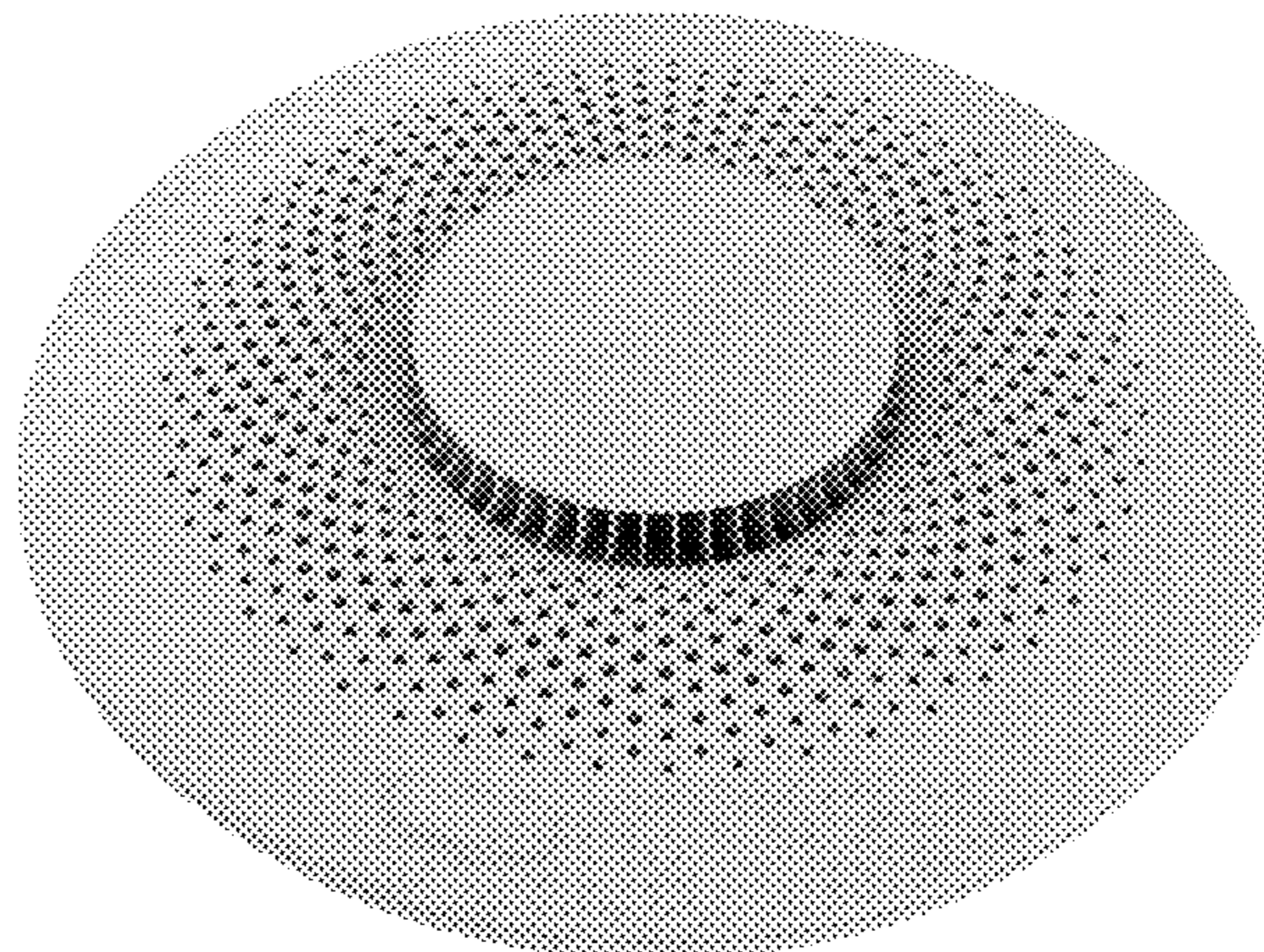
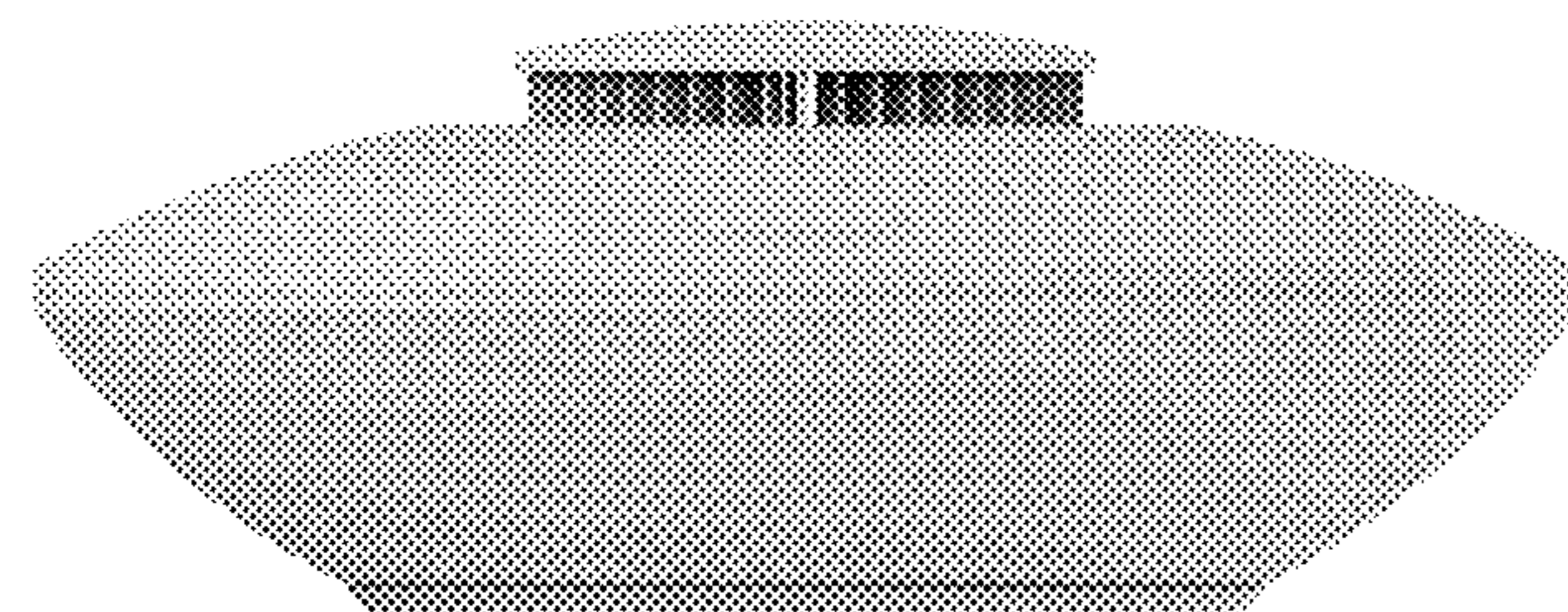
(57) **CLAIM**

The ornamental design for a smoke and gas detector, as shown and described.

**DESCRIPTION**

FIG. 1 is a front elevation view of the smoke and gas detector according to our new design;  
FIG. 2 is a back elevation view thereof;  
FIG. 3 is a left side view thereof;  
FIG. 4 is a right side view thereof;  
FIG. 5 is a top plan view thereof;  
FIG. 6 is a bottom plan view thereof; and,  
FIG. 7 is a perspective view thereof.

**1 Claim, 4 Drawing Sheets**





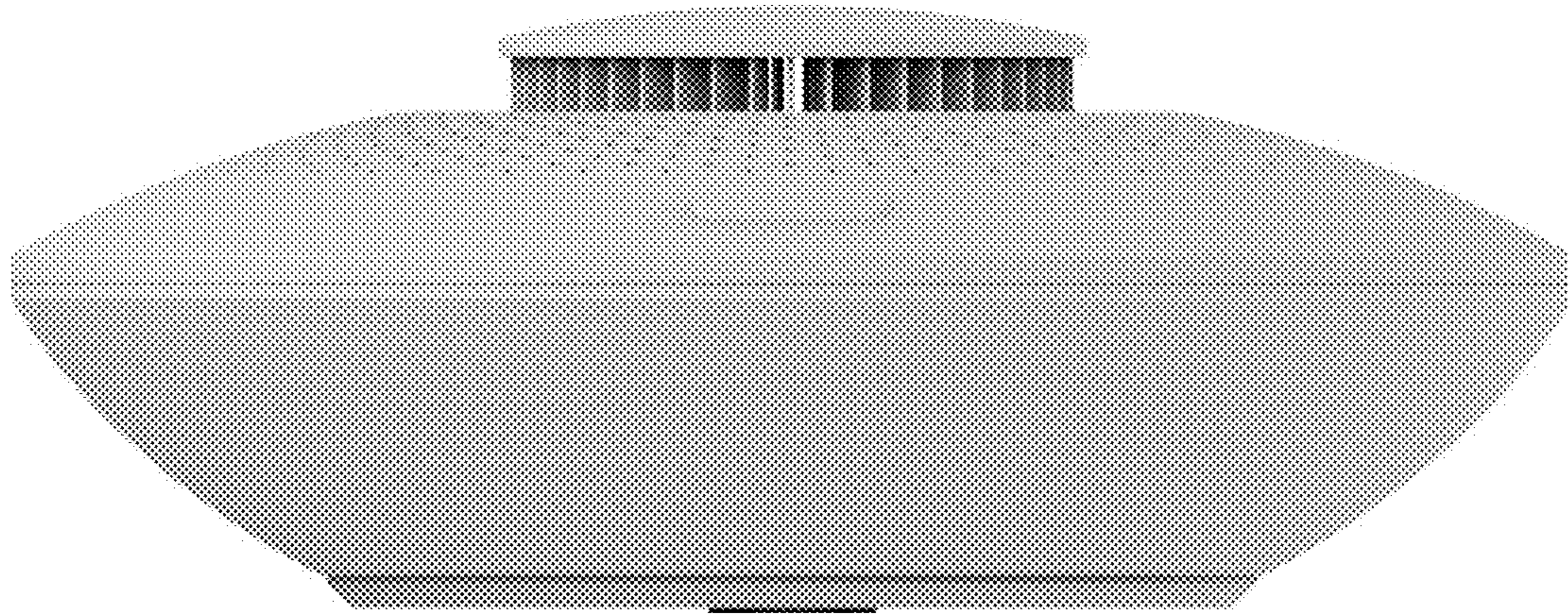


FIG. 1

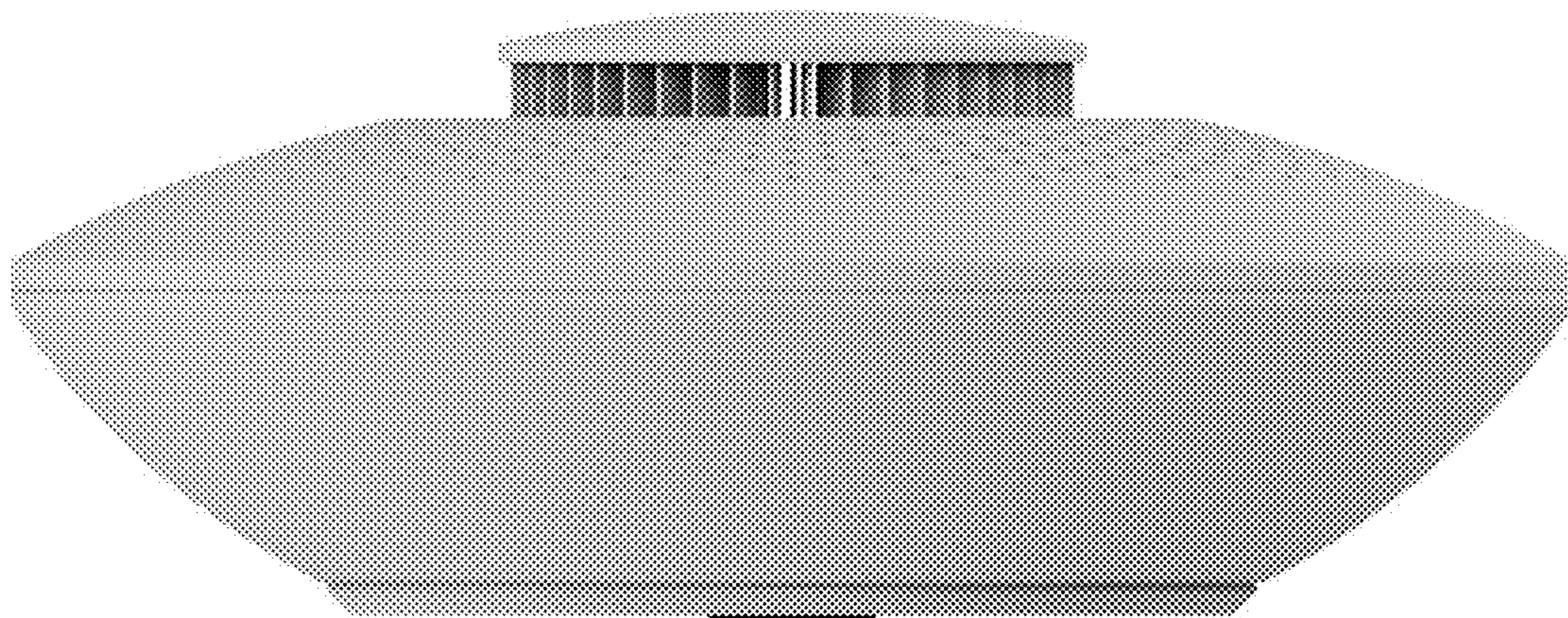


FIG. 2

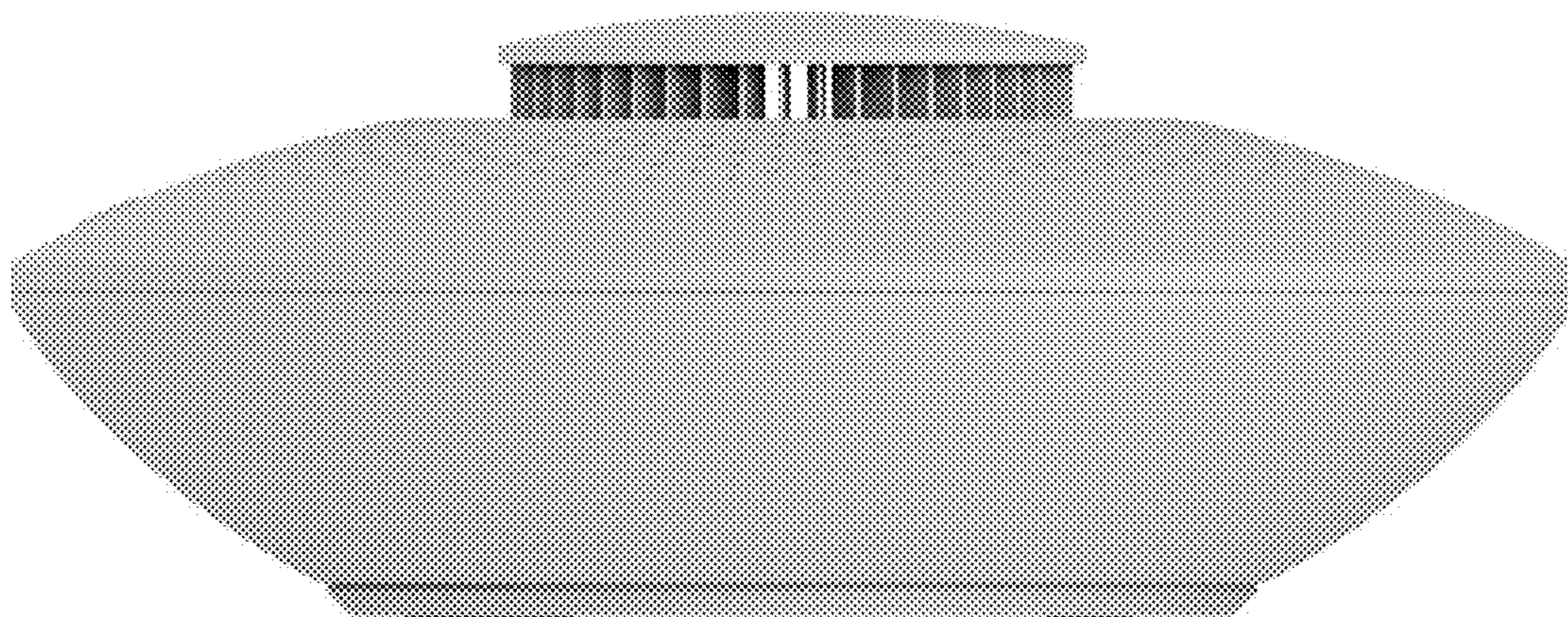


FIG. 3



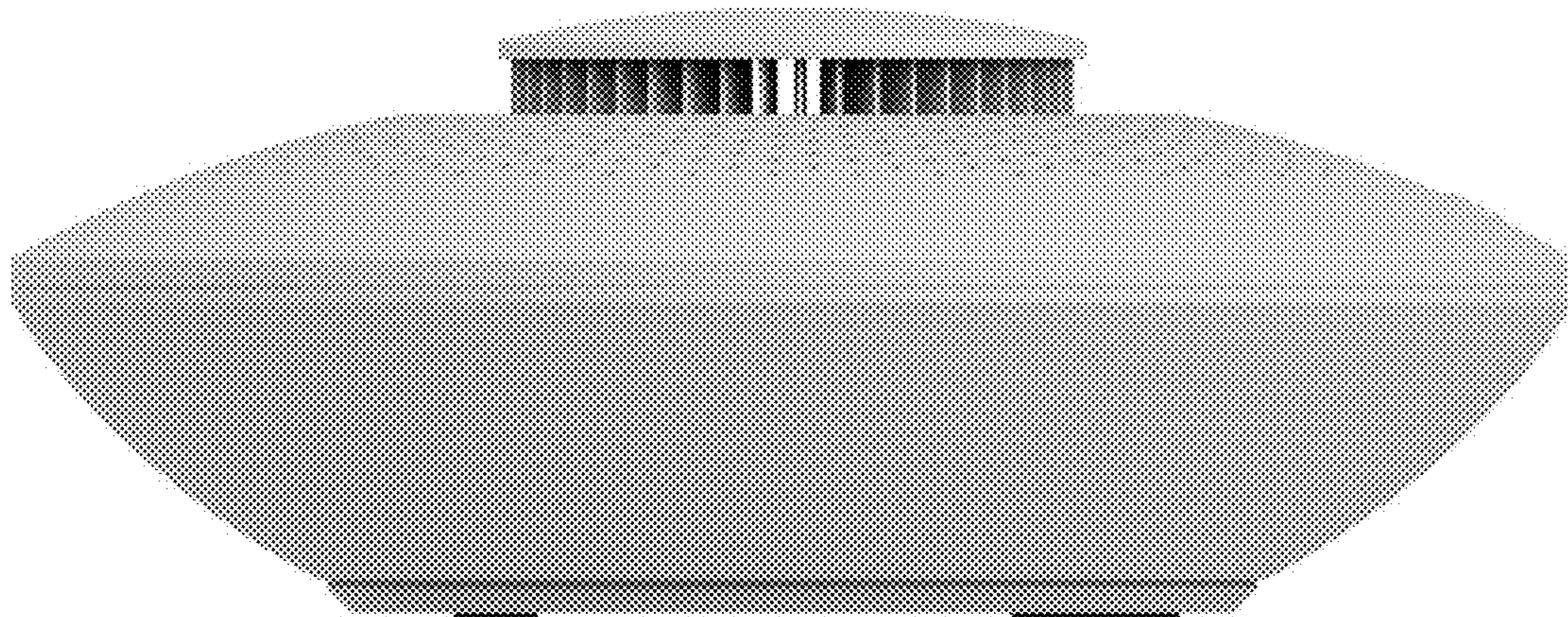


FIG. 4

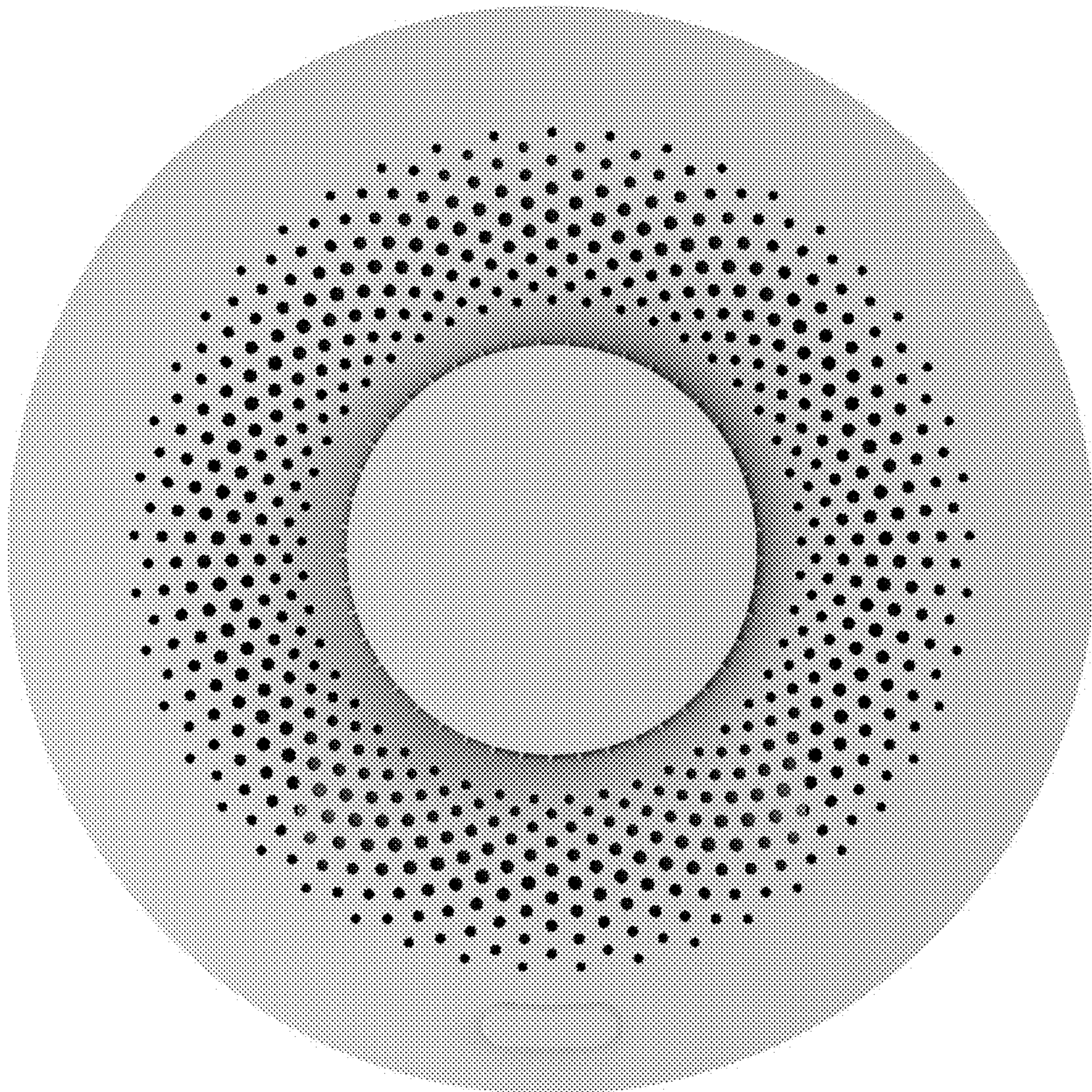


FIG. 5



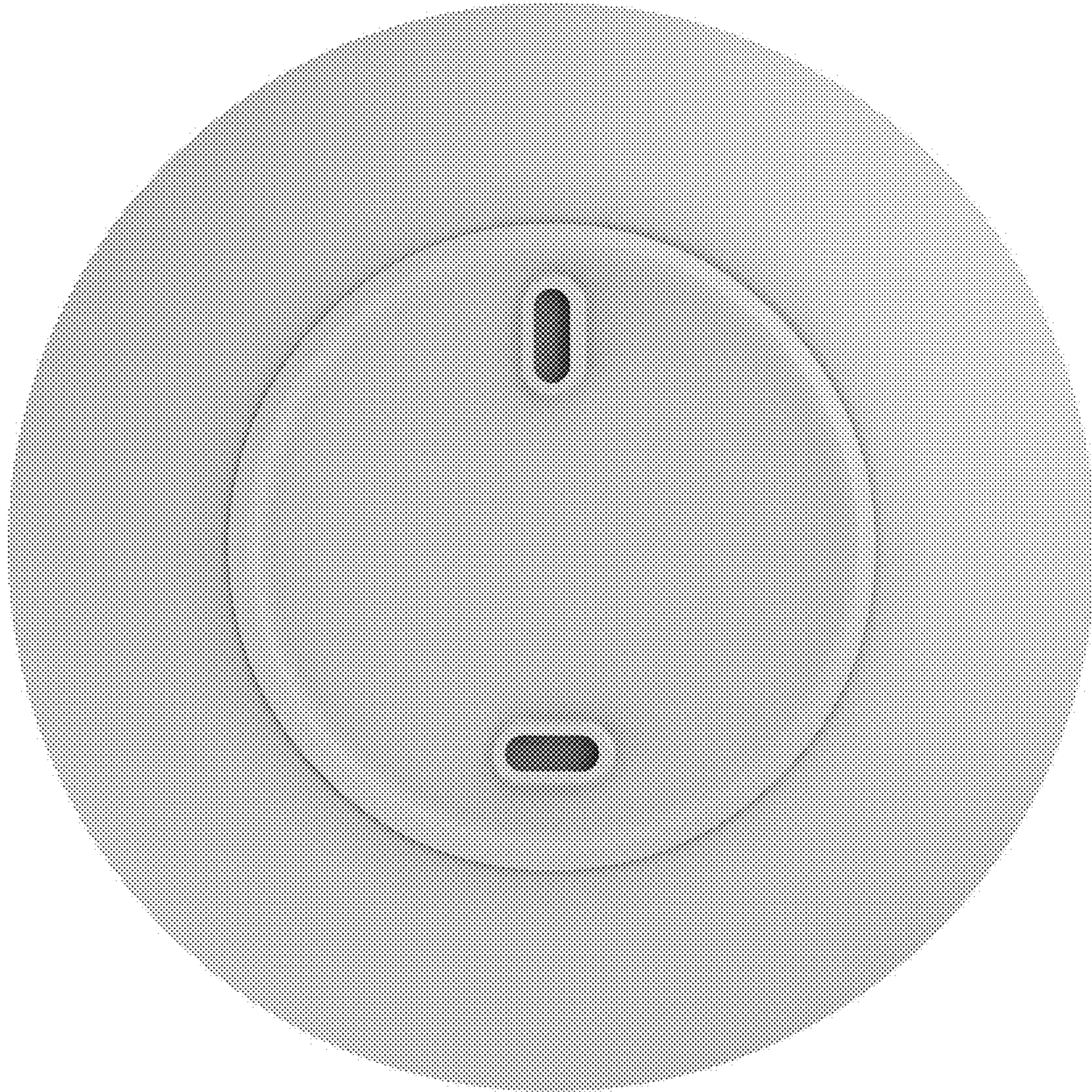


FIG. 6





FIG. 7