



US00D954925S

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

(10) **Patent No.:** **US D954,925 S**  
(45) **Date of Patent:** **\*\* Jun. 14, 2022**

(54) **AIR PURIFIER**

FOREIGN PATENT DOCUMENTS

(71) Applicant: **SAMSUNG ELECTRONICS CO., LTD.**, Suwon-si (KR)

CN 303096624 \* 2/2015  
CN 304888650 S 11/2018

(Continued)

(72) Inventors: **Hwan-Dong Lee**, Suwon-si (KR);  
**Sang-Hoon Yoon**, Suwon-si (KR);  
**Jin-Sun Park**, Suwon-si (KR);  
**Hyun-Woo Yoon**, Suwon-si (KR);  
**Kang-Kyung Lee**, Suwon-si (KR)

OTHER PUBLICATIONS

POAIRCK Air Purifier, first available Jan. 11, 2022[online], [site visited Jan. 26, 2022]. Available from internet, URL:<<https://www.amazon.com/dp/B09Q5MVCVY2>> (Year: 2022).\*

(73) Assignee: **SAMSUNG ELECTRONICS CO., LTD.**, Gyeonggi-Do (KR)

*Primary Examiner* — Barbara Fox

*Assistant Examiner* — Jamaal Rasheed

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

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

(21) Appl. No.: **29/761,973**

(57) **CLAIM**

The ornamental design for an air purifier, as shown and described.

(22) Filed: **Dec. 14, 2020**

**DESCRIPTION**

(30) **Foreign Application Priority Data**

Jun. 15, 2020 (KR) ..... 30-2020-0026756

(51) **LOC (13) Cl.** ..... **23-04**

(52) **U.S. Cl.**  
USPC ..... **D23/364**

(58) **Field of Classification Search**  
USPC ..... D23/356, 359, 364–365, 378, 499;  
D14/204, 214, 240, 314, 496  
CPC ..... F24F 1/029; F24F 1/035; F24F 1/0287;  
F24F 6/06; F24F 6/14; F24F 13/06; F24F  
13/20; F24F 13/222; F24F 3/16; F24F  
3/1405; F24F 3/1603; B05B 17/06  
See application file for complete search history.

FIG. 1 is a front perspective view of an air purifier, showing our new design;  
FIG. 2 is a front view thereof;  
FIG. 3 is a rear view thereof;  
FIG. 4 is a left-side view thereof;  
FIG. 5 is a right-side view thereof;  
FIG. 6 is a top view thereof;  
FIG. 7 is a bottom view thereof;  
FIG. 8 is an enlarged view of the portion 8 in FIG. 1;  
FIG. 9 is an enlarged view of the portion 9 in FIG. 1;  
FIG. 10 is an enlarged view of the portion 10 in FIG. 2; and,  
FIG. 11 is an enlarged view of the portion 11 in FIG. 4.

The evenly-dashed broken lines in the figures depict portions of the air purifier and the environmental subject matter and form no part of the claimed design.

The dot-dash broken lines in the figures define a boundary of the claimed design and form no part of the claimed design.

The dot-dot-dash lines encircling enlargement portions of the claimed design form no part of the claimed design.

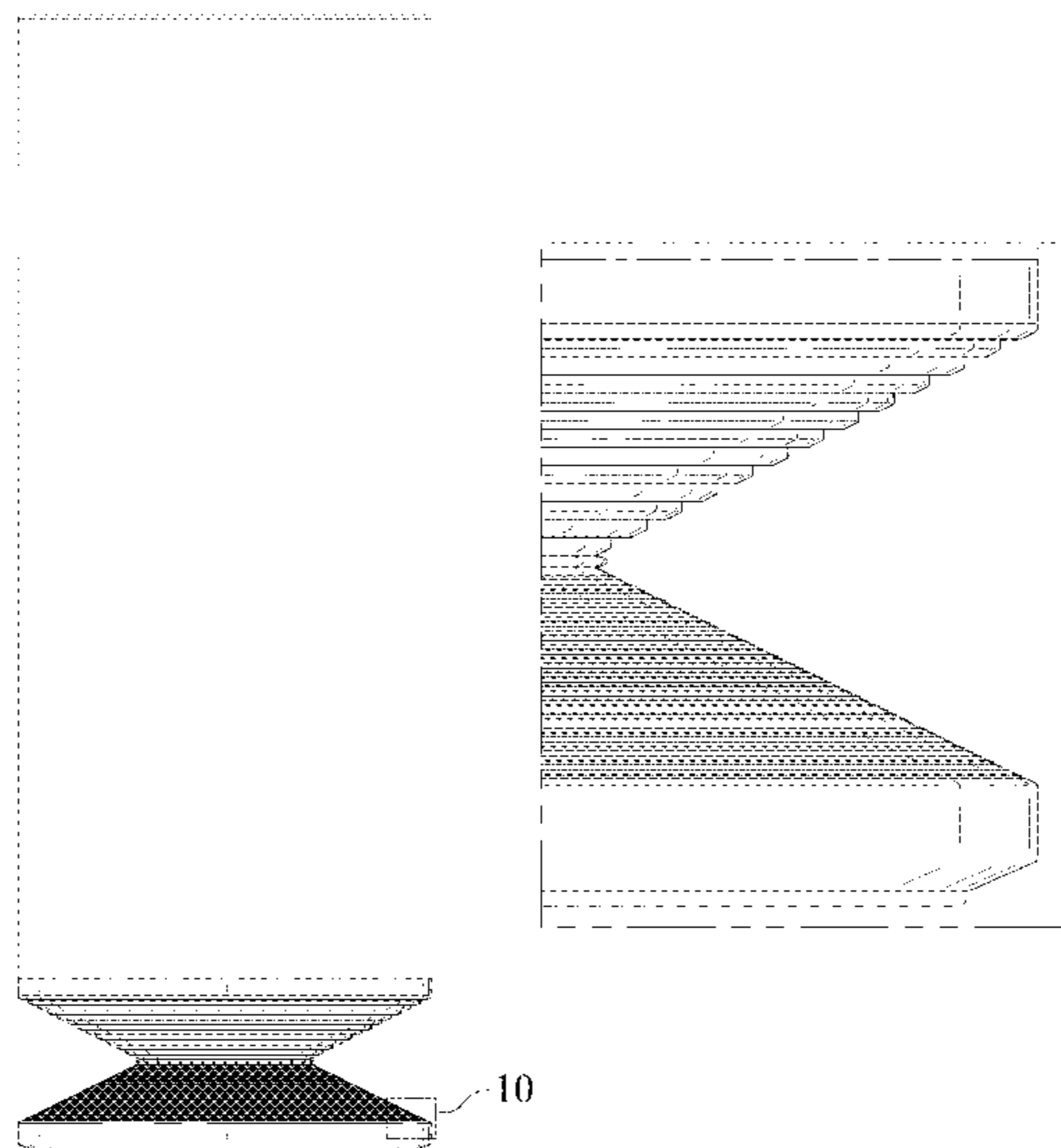
(56) **References Cited**

U.S. PATENT DOCUMENTS

D201,054 S \* 5/1965 Roach ..... D9/432  
D738,870 S \* 9/2015 Ding ..... D14/240

(Continued)

**1 Claim, 11 Drawing Sheets**



(56)

**References Cited**

U.S. PATENT DOCUMENTS

D741,465 S \* 10/2015 Satou ..... D23/364  
D783,794 S \* 4/2017 Shen ..... D23/364  
D791,297 S \* 7/2017 Ljungstrom ..... D23/364  
D831,810 S 10/2018 Cho et al.  
D869,626 S \* 12/2019 Reisenberger ..... D23/364  
D925,024 S \* 7/2021 Huang ..... D23/356  
D933,797 S \* 10/2021 Liu ..... D23/364  
D933,798 S \* 10/2021 Wang ..... D23/364  
2021/0247099 A1 \* 8/2021 Park ..... F24F 6/02

FOREIGN PATENT DOCUMENTS

CN 305190041 S 5/2019  
EM 002440313-0002 4/2014  
EM 004411270-0001 10/2017

\* cited by examiner

FIG. 1

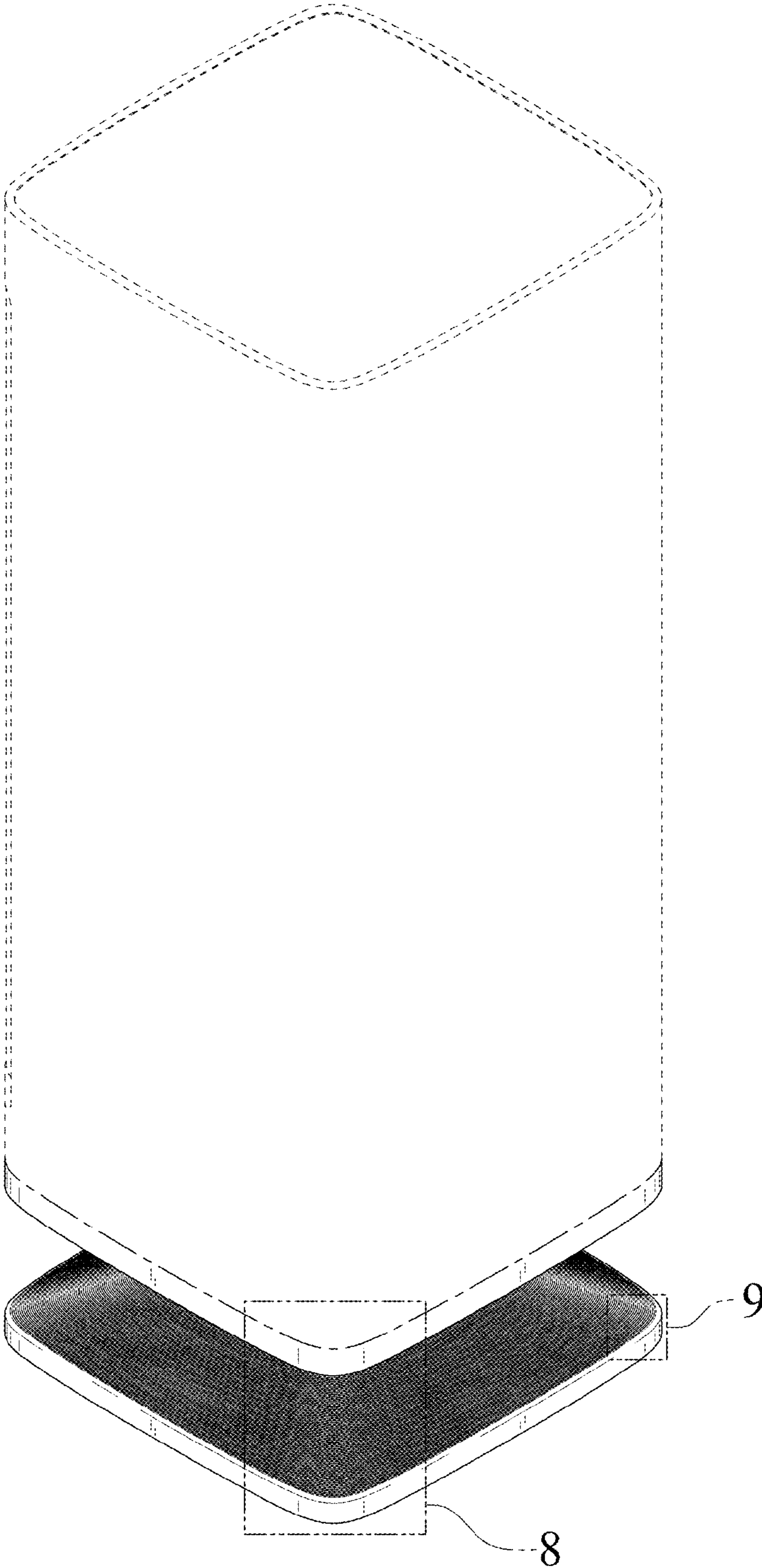


FIG. 2



FIG. 3

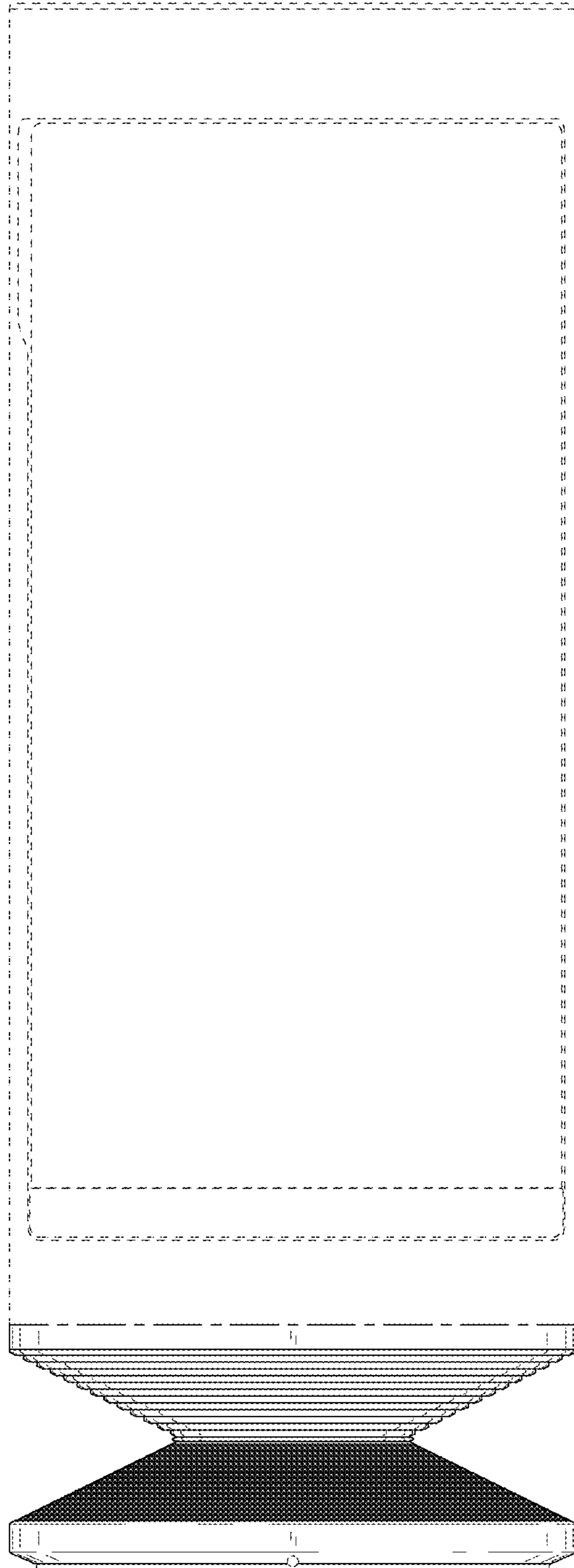


FIG. 4



FIG. 5

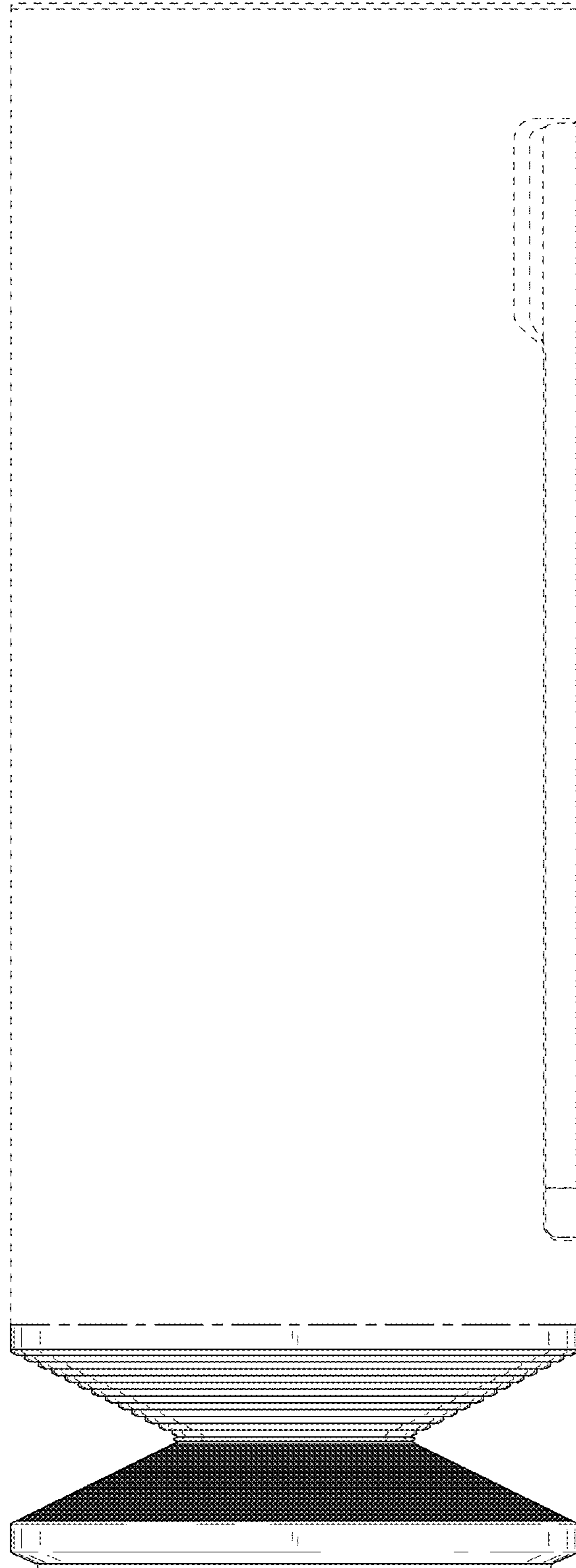


FIG. 6

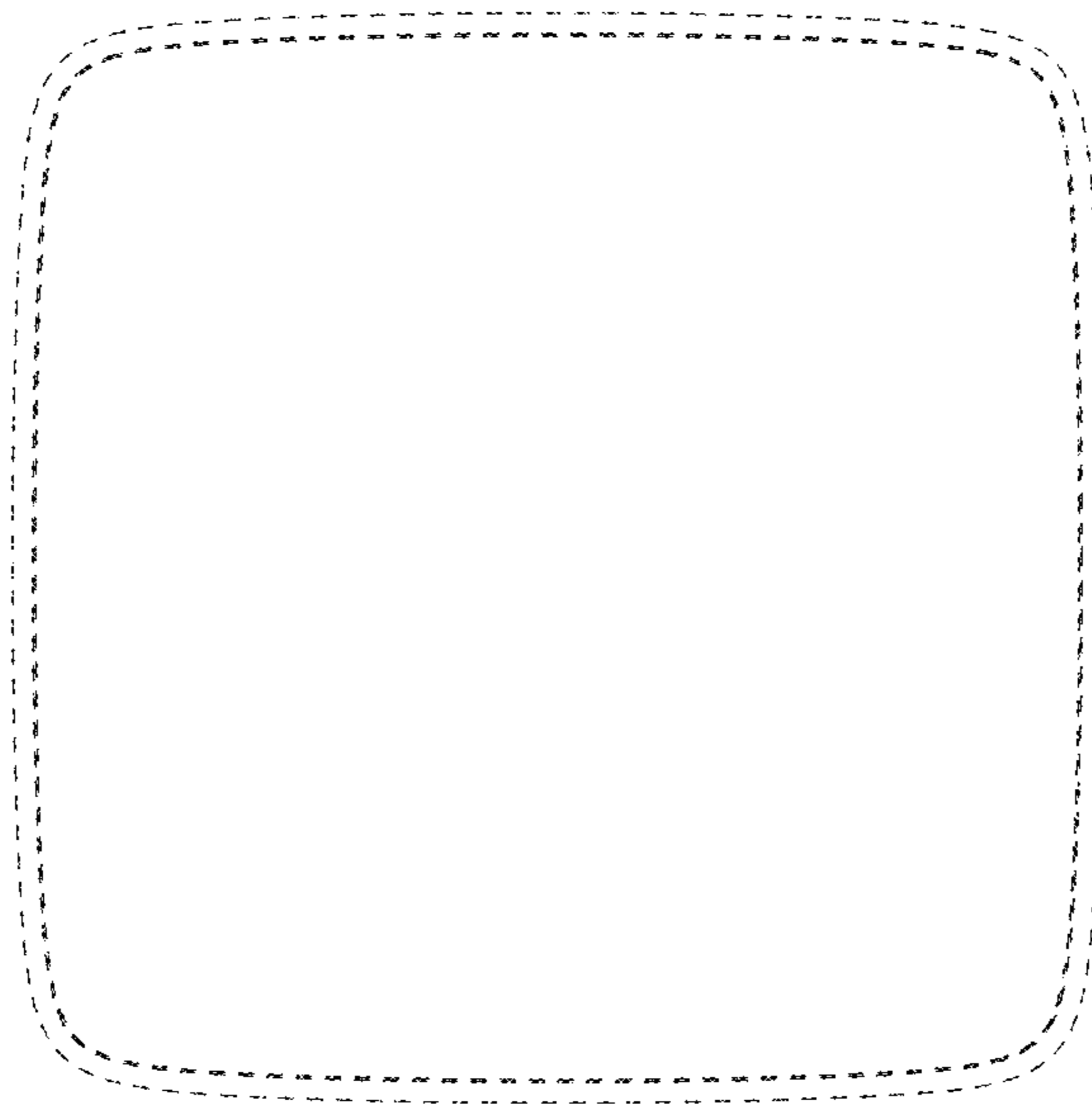




FIG. 7

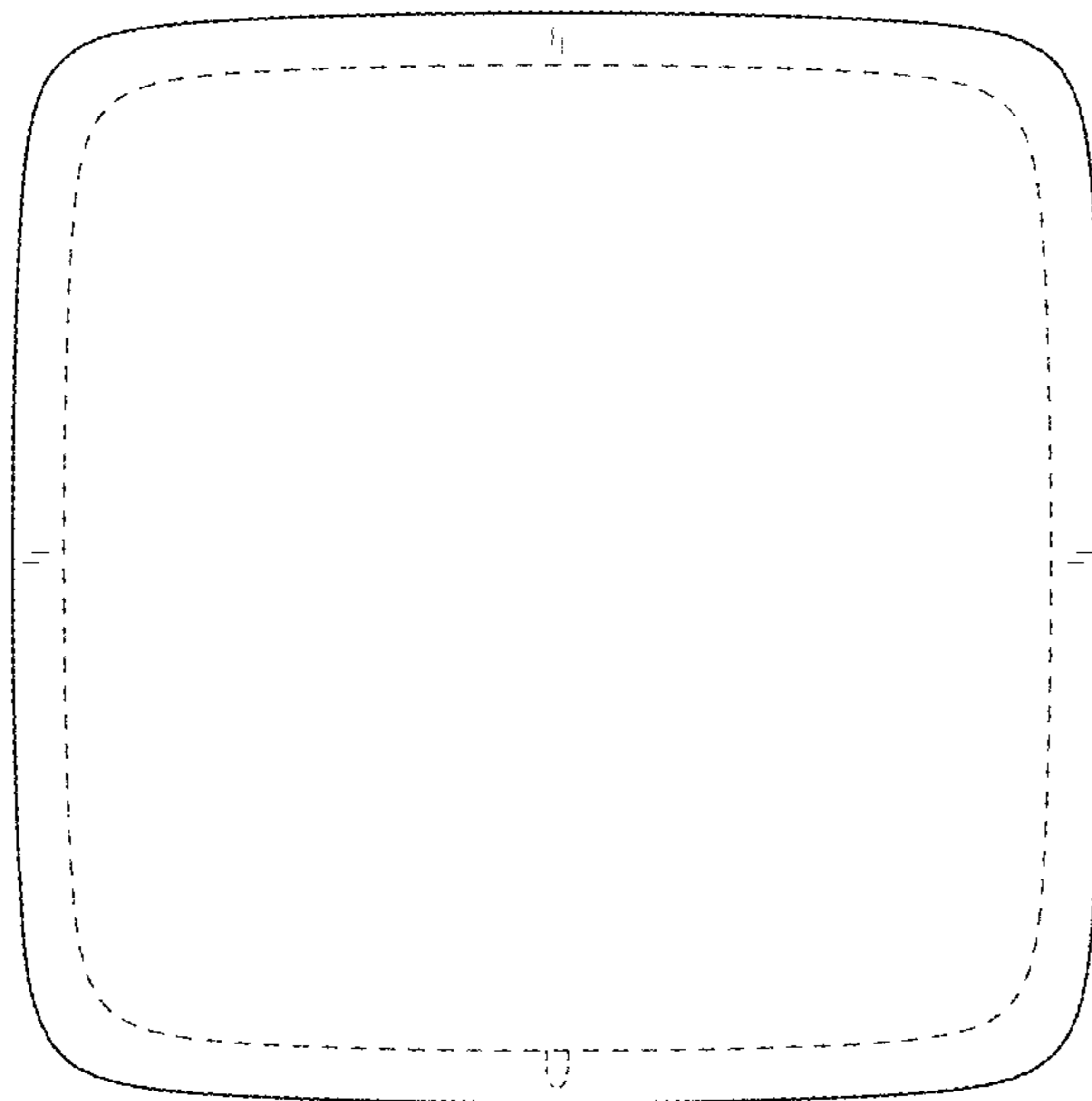


FIG. 8

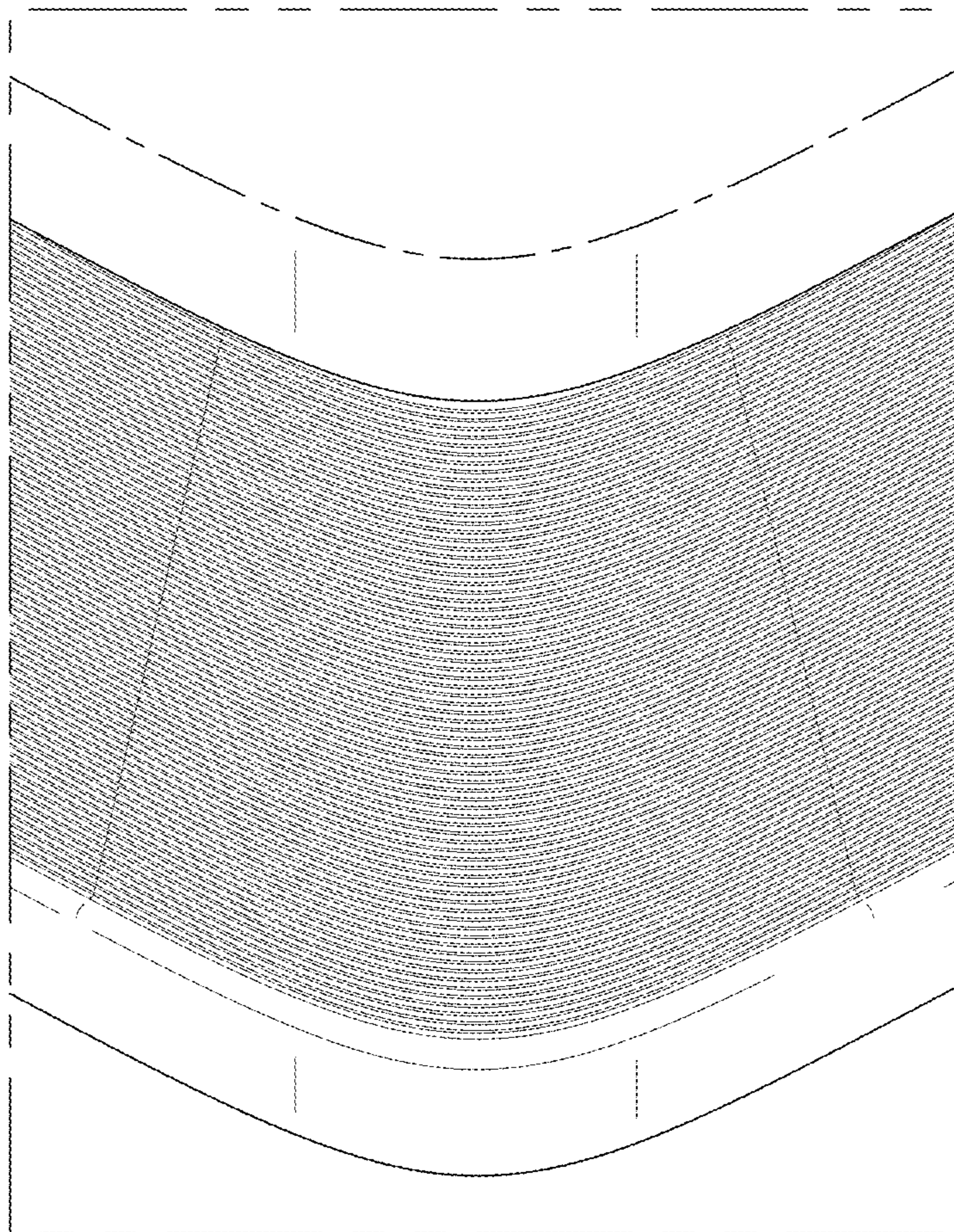


FIG. 9

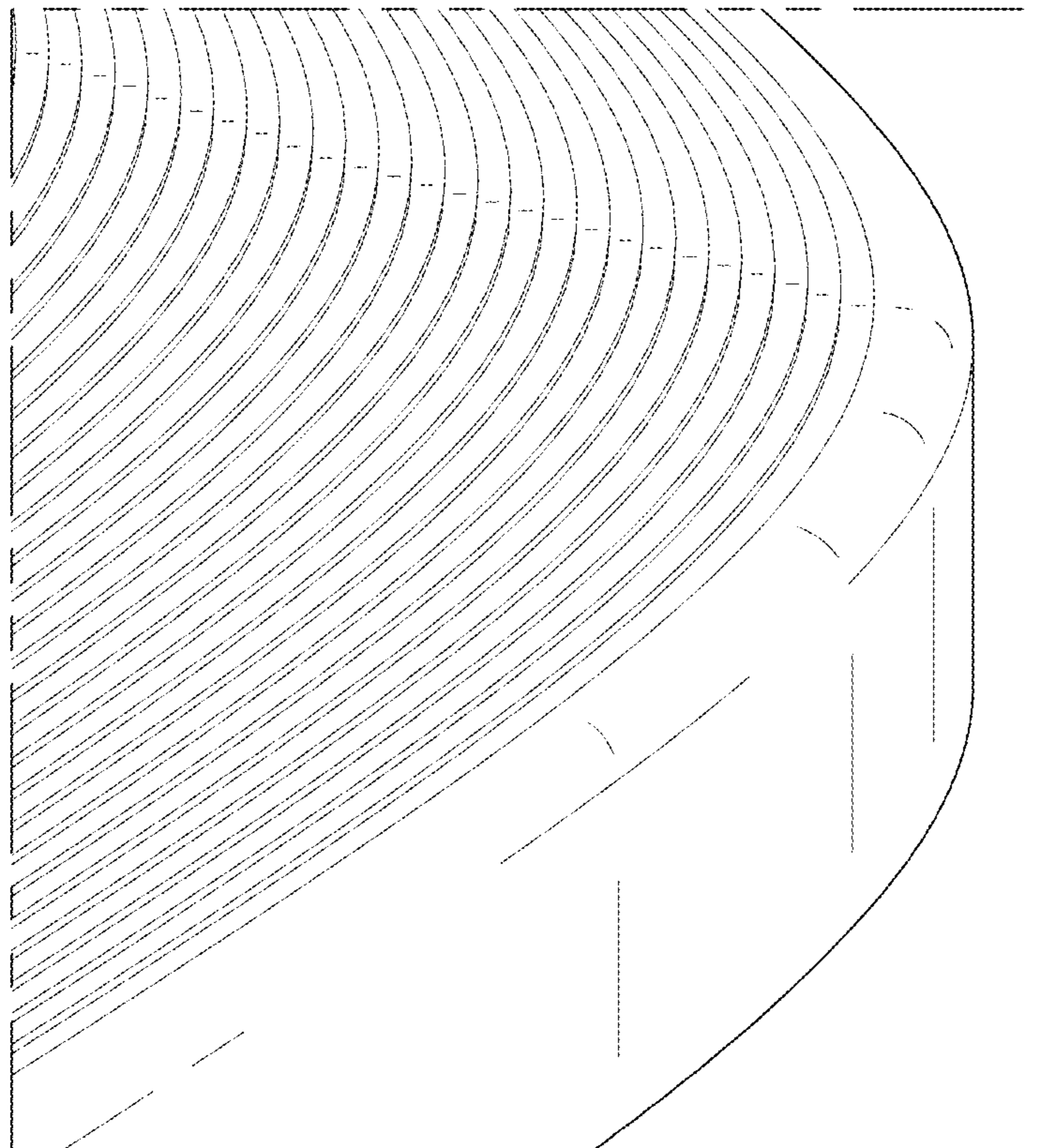


FIG. 10

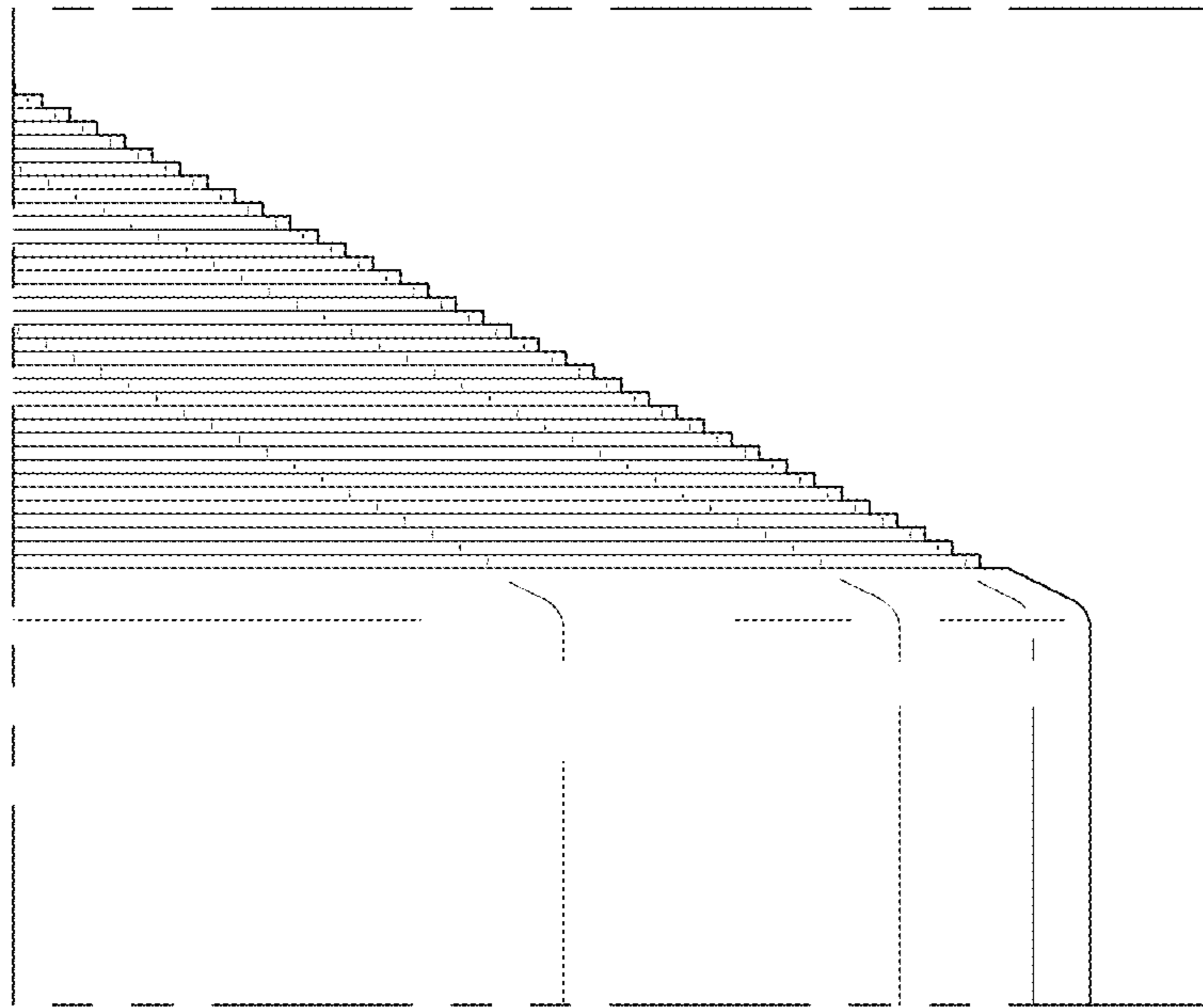


FIG. 11

