



US00D943726S

(12) **United States Design Patent** (10) **Patent No.:** **US D943,726 S**  
**Li et al.** (45) **Date of Patent:** **\*\* Feb. 15, 2022**

(54) **AIR PURIFIER**

23/1902; G05D 23/1931; G05B 19/0426;  
G05B 19/409; G05B 15/02

(71) Applicant: **BEIJING XIAOMI MOBILE SOFTWARE CO., LTD.**, Beijing (CN)

See application file for complete search history.

(72) Inventors: **Ningning Li**, Beijing (CN); **Qian Zhang**, Beijing (CN)

(56) **References Cited**

U.S. PATENT DOCUMENTS

(73) Assignee: **BEIJING XIAOMI MOBILE SOFTWARE CO., LTD.**, Beijing (CN)

D755,942 S \* 5/2016 Kim ..... D23/364  
D798,430 S \* 9/2017 Nord ..... D23/364

(Continued)

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

FOREIGN PATENT DOCUMENTS

(21) Appl. No.: **35/509,811**

CN 3045426845 S 3/2018  
JP D1470956 S 6/2013

(22) Filed: **May 26, 2020**

(Continued)

(80) **Hague Agreement Data**

OTHER PUBLICATIONS

Int. Filing Date: **May 26, 2020**  
Int. Reg. No.: **DM/209127**  
Int. Reg. Date: **May 26, 2020**  
Int. Reg. Pub. Date: **Jul. 17, 2020**

First Office Action of the Japanese application No. 2020-501148, dated Feb. 19, 2021.

*Primary Examiner* — Natasha Vujcic  
(74) *Attorney, Agent, or Firm* — Syncoda LLC; Feng Ma

(30) **Foreign Application Priority Data**

(57) **CLAIM**

Jan. 7, 2020 (CN) ..... 202030009133.1

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

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

**DESCRIPTION**

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

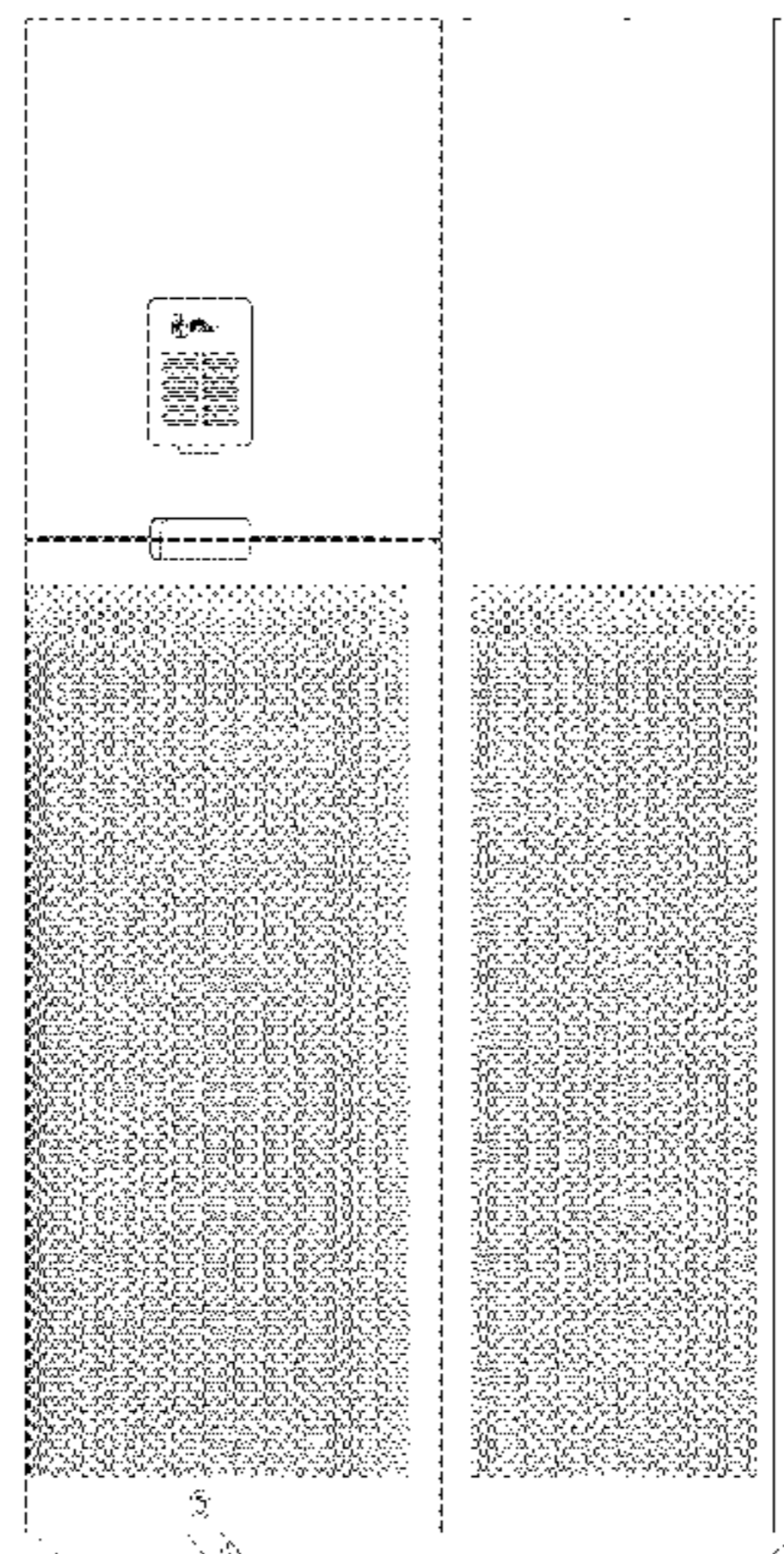
(58) **Field of Classification Search**  
USPC ..... D23/332, 333, 335, 336, 342, 351–366,  
D23/388

CPC .... F24F 1/00; F24F 1/0007; F24F 1/02; F24F 1/08; F24F 1/42; F24F 1/56; F24F 1/60; F24F 3/044; F24F 3/048; F24F 3/16; F24F 11/30; F24F 11/32; F24F 11/46; F24F 11/52; F24F 11/54; F24F 11/56; F24F 11/58; F24F 11/59; F24F 11/61–64; F24F 11/70; F24F 11/76; F24F 11/83; F24F 11/85; F24F 11/88; F24F 11/89; G05D 23/1905; G05D 23/1932; G05D

1. Air purifier  
**1.1** is a front view of an air purifier showing the new design;  
**1.2** is a rear view thereof;  
**1.3** is a left view thereof;  
**1.4** is a right view thereof;  
**1.5** is a top view thereof;  
**1.6** is a bottom view thereof;  
**1.7** is a back, left perspective view thereof; and  
**1.8** is a front, left perspective view thereof.

The broken lines in the drawings illustrate portions of the air purifier and form no part of the claimed design.

**1 Claim, 8 Drawing Sheets**



(56)

**References Cited**

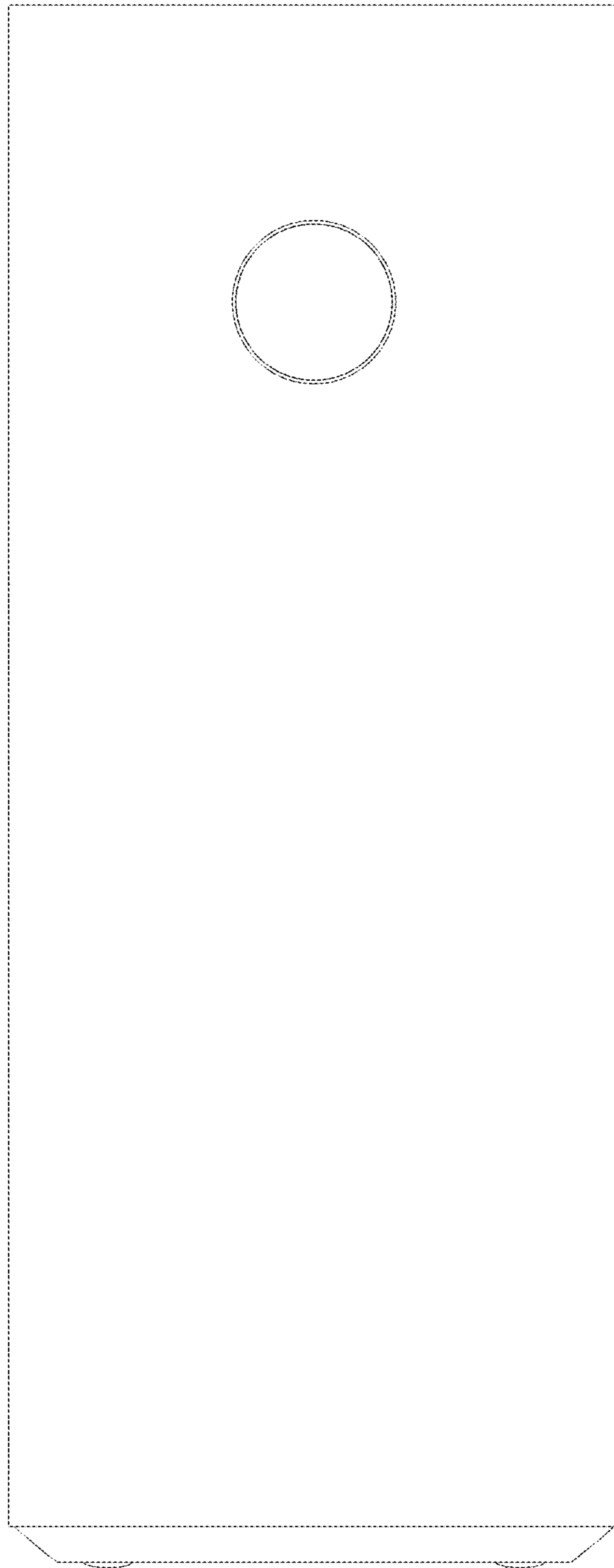
U.S. PATENT DOCUMENTS

D799,016	S	*	10/2017	Su	.....	D23/364
D837,354	S		1/2019	Su et al.		
D852,344	S	*	6/2019	Hua	.....	D23/364
D862,673	S	*	10/2019	Tang	.....	D23/364
D865,148	S	*	10/2019	Yoon	.....	D23/364
D878,530	S	*	3/2020	Pan	.....	D23/364
D888,930	S	*	6/2020	Wang	.....	D23/393
D898,889	S		10/2020	Yu		
D913,466	S	*	3/2021	Shen	.....	D23/351
D915,351	S	*	4/2021	Liao	.....	D14/214
D917,683	S	*	4/2021	Xie	.....	D23/359
D921,869	S	*	6/2021	Han	.....	D23/364
D924,385	S	*	7/2021	Liu	.....	F24F 13/20 D23/356

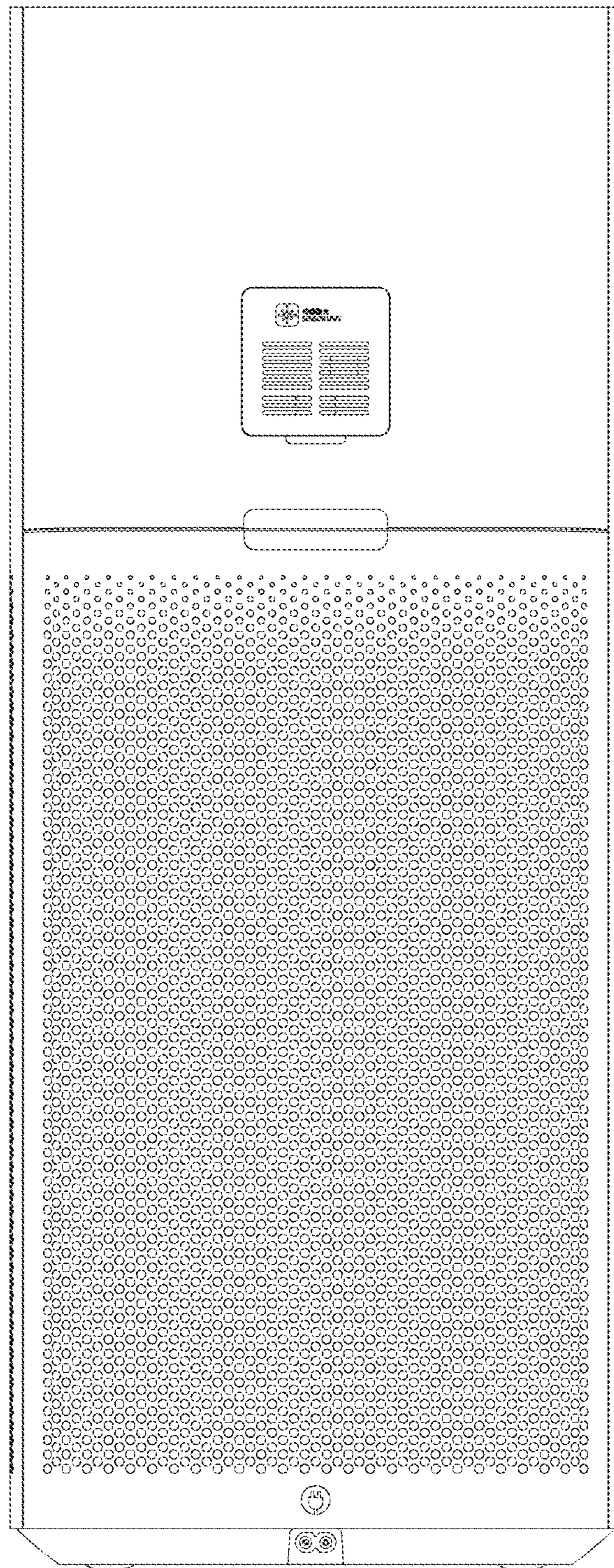
FOREIGN PATENT DOCUMENTS

JP		D1563710	S		11/2016
JP		D1640826	S		9/2019

\* cited by examiner

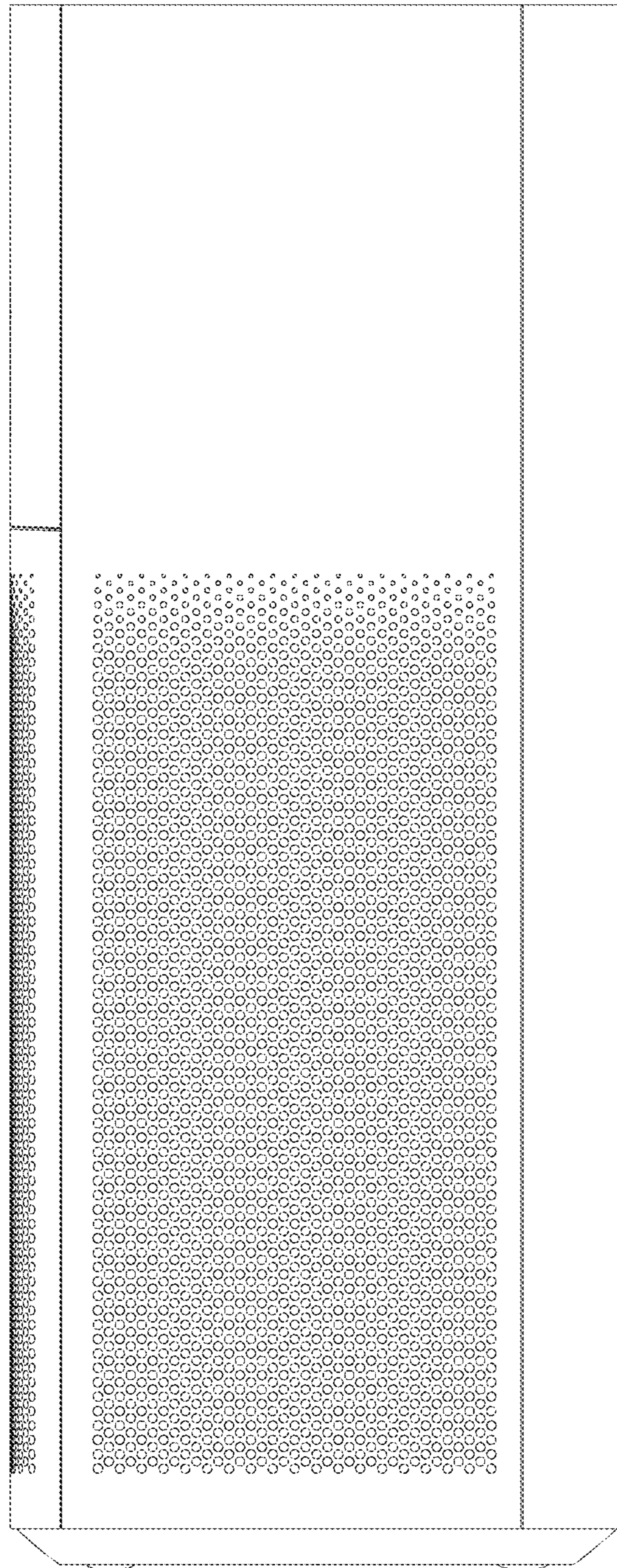


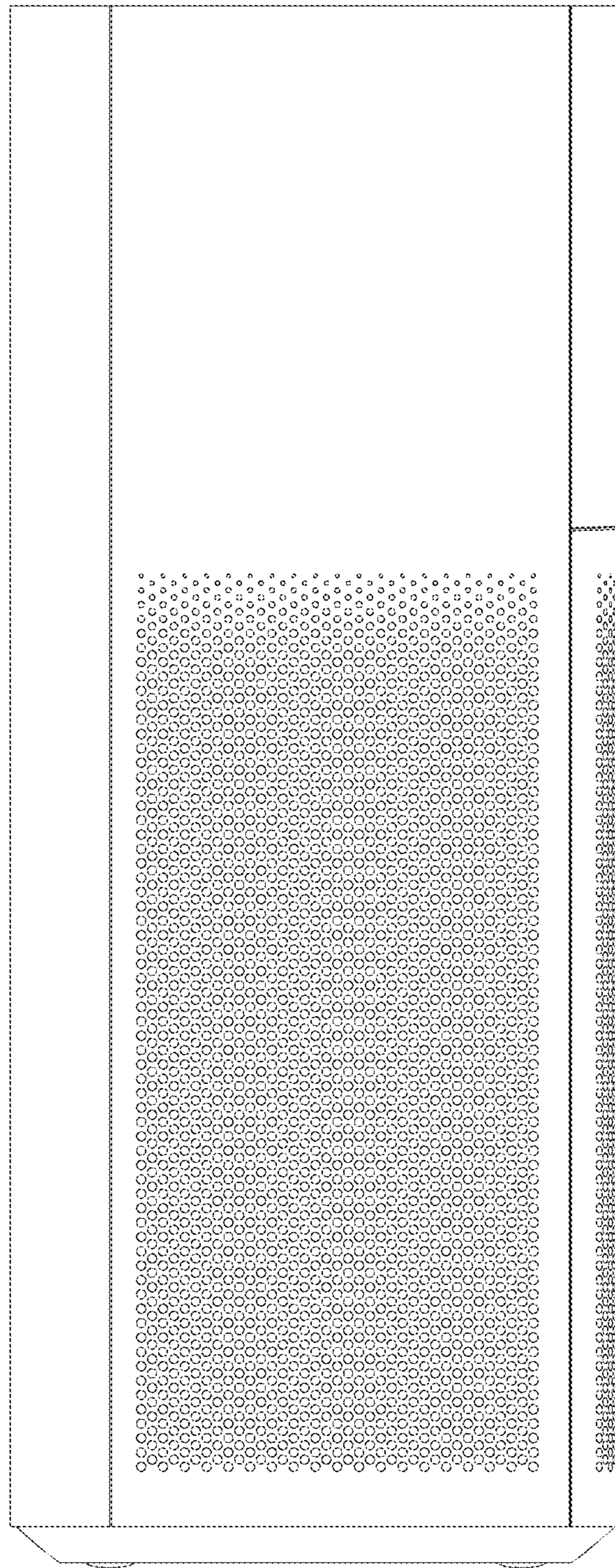




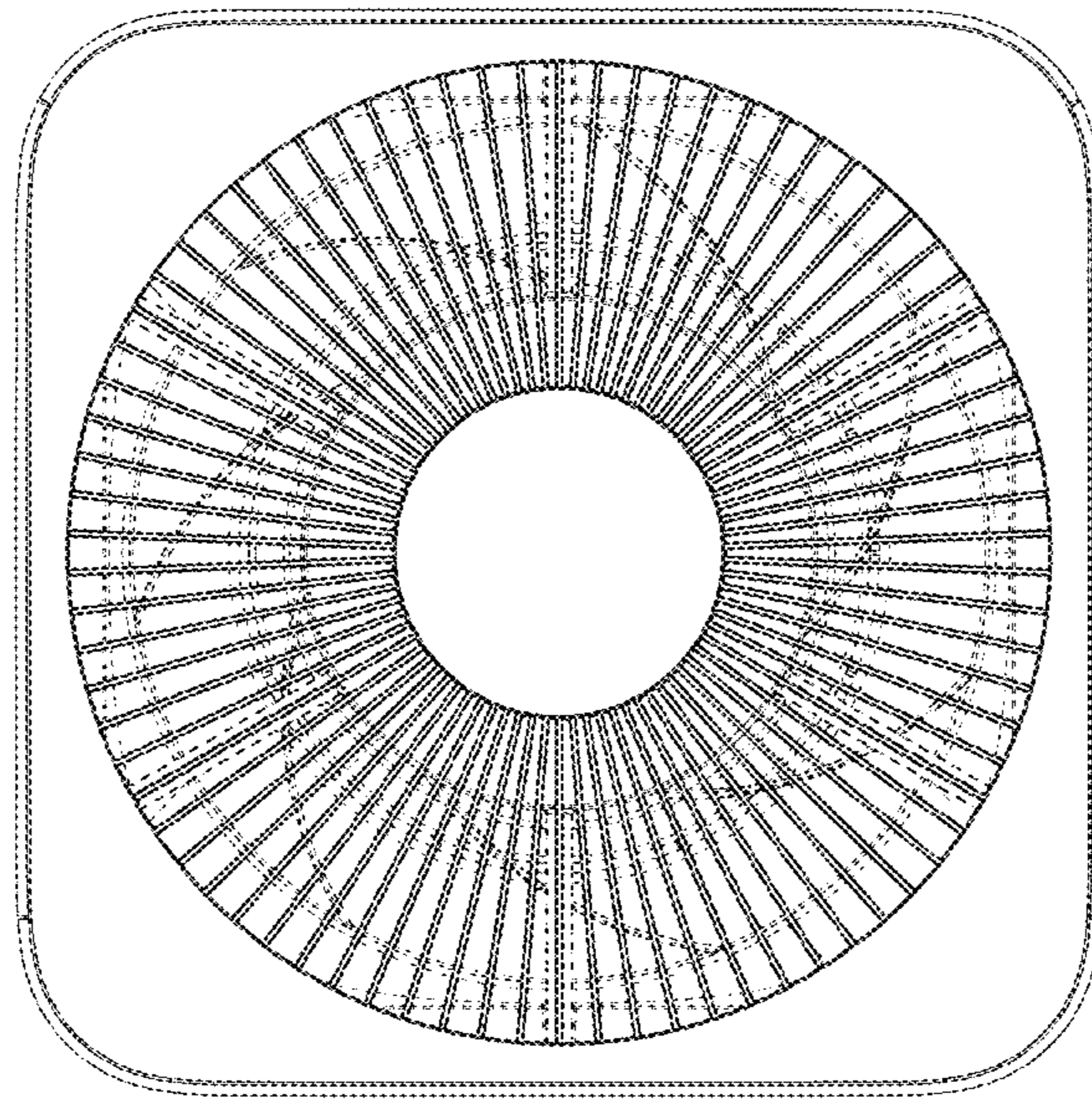
1.2



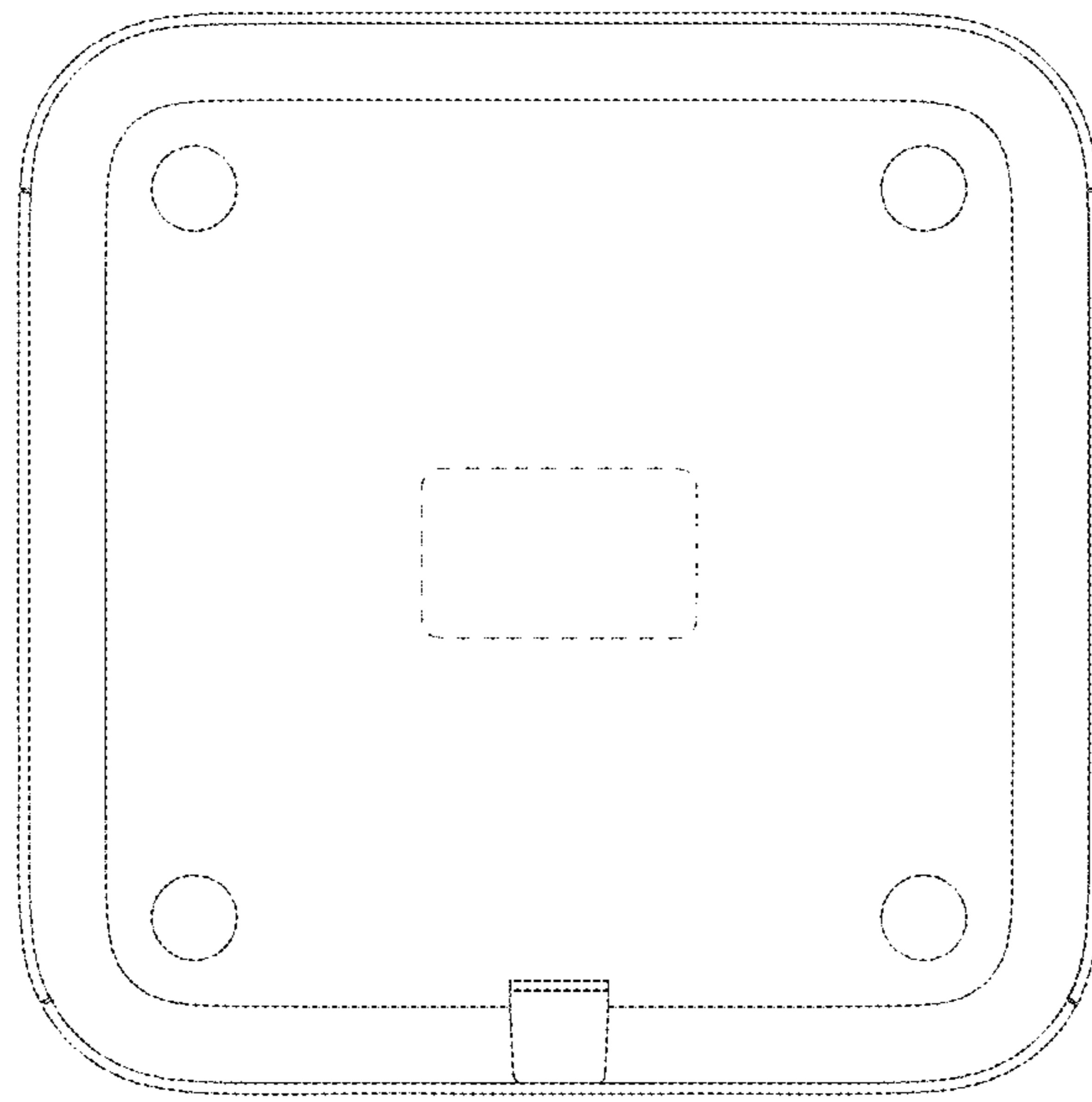








1.5



1.6



