

US00D967191S

(12) **United States Design Patent** (10) **Patent No.:** **US D967,191 S**  
**Langhammer et al.** (45) **Date of Patent:** **\*\* Oct. 18, 2022**

- (54) **AUDIO INPUT/OUTPUT DEVICE**
- (71) Applicant: **Amazon Technologies, Inc.**, Seattle, WA (US)
- (72) Inventors: **Heinz-Dominik Langhammer**, San Francisco, CA (US); **Robert Brian Curtis**, San Francisco, CA (US); **Christopher Green**, San Francisco, CA (US); **Marc Rene Walliser**, San Francisco, CA (US)
- (73) Assignee: **Amazon Technologies, Inc.**, Seattle, WA (US)
- (\*\*) Term: **15 Years**
- (21) Appl. No.: **29/659,736**
- (22) Filed: **Aug. 10, 2018**

**Related U.S. Application Data**

- (63) Continuation of application No. 29/606,224, filed on Jun. 2, 2017, now Pat. No. Des. 826,276, which is a (Continued)
- (51) **LOC (13) Cl.** ..... **14-03**
- (52) **U.S. Cl.**  
USPC ..... **D14/496; D14/203.1; D14/172; D14/314**
- (58) **Field of Classification Search**  
USPC .... D14/125, 137, 140–140.9, 155, 159, 160, D14/167, 168, 172, 188, 194, 195, 203.1, D14/203.3, 203.6, 203.7, 204, 209.1, 212, D14/213, 216, 217, 221, 225–229, 240, D14/242, 299, 314, 348, 349, 356–358, D14/401, 432, 433, 435, 474, 496, 497, D14/506, 507, 509, 218, 247, 313, 454, D14/455, 456, 498, 499, 500, 502; D10/22, 102, 123, 126, 104.1, D10/106.1–106.9; D13/108, 110, 123, (Continued)

- (56) **References Cited**  
U.S. PATENT DOCUMENTS  
3,931,867 A 1/1976 Janszen  
4,756,382 A 7/1988 Hudson, III  
(Continued)

- OTHER PUBLICATIONS  
Canadian Office Action dated Nov. 5, 2015 for Canadian design application No. 161052, a counterpart foreign application of design U.S. Appl. No. 29/503,695, 1 page.  
(Continued)

*Primary Examiner* — Rebekah A Caruso  
(74) *Attorney, Agent, or Firm* — Lee & Hayes, P.C.

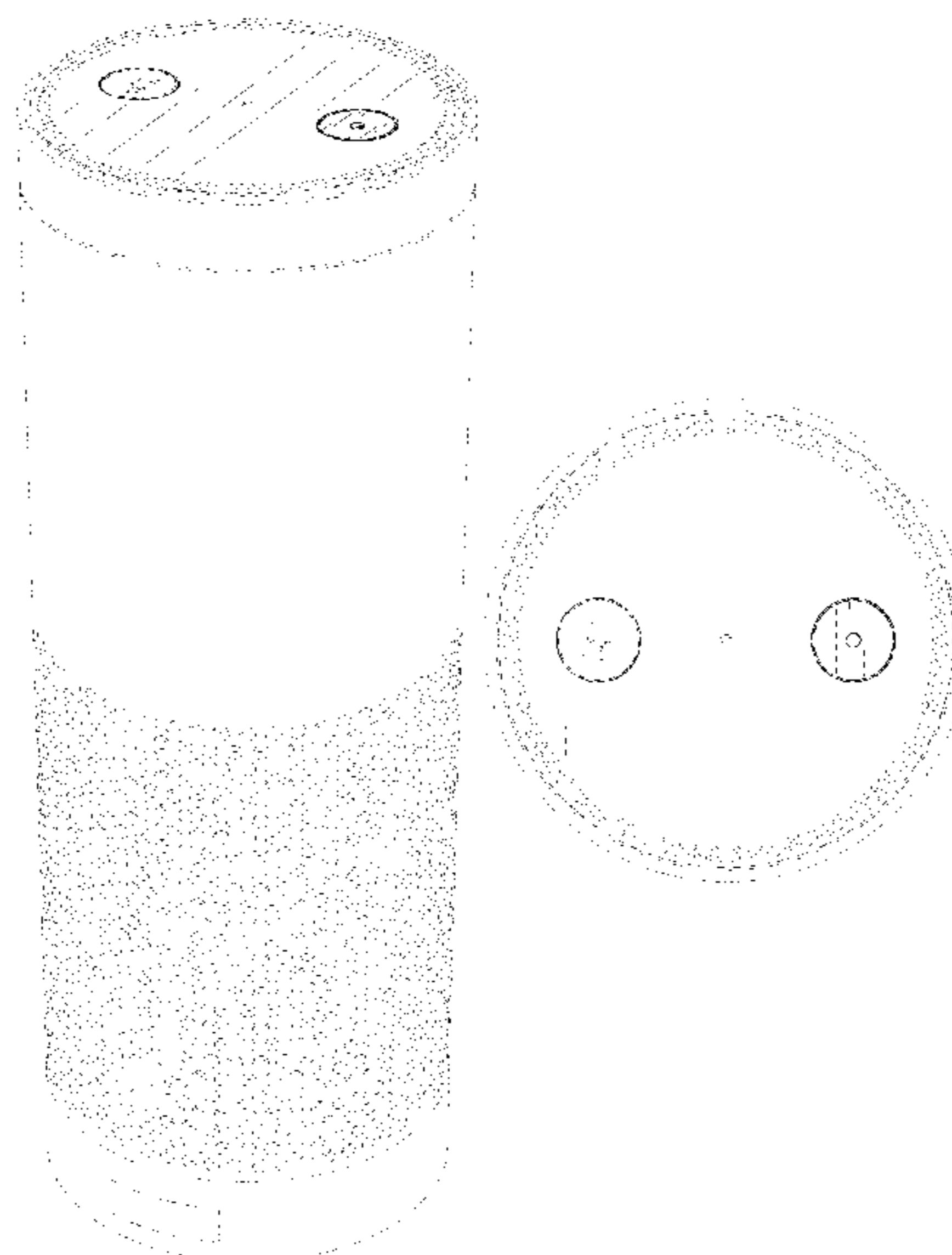
(57) **CLAIM**

The ornamental design for an audio input/output device, as shown and described.

**DESCRIPTION**

FIG. 1 is a top perspective view of an audio input/output device;  
FIG. 2 is bottom perspective view thereof;  
FIG. 3 is a front view thereof;  
FIG. 4 is a back view thereof;  
FIG. 5 is a right-side view thereof. The left-side view of the audio input/output device is a mirror image of the right-side view;  
FIG. 6 is a top view thereof; and,  
FIG. 7 is a bottom view thereof.  
The dashed broken lines in the drawings depict portions of the audio input/output device that form no part of the claimed design. The dot-dashed broken lines represent boundaries of the claimed audio input/output device and form no part of the claimed design.

**1 Claim, 6 Drawing Sheets**



**Related U.S. Application Data**

continuation of application No. 29/589,477, filed on Dec. 30, 2016, now Pat. No. Des. 810,135, which is a continuation of application No. 29/543,578, filed on Oct. 26, 2015, now Pat. No. Des. 778,956, which is a continuation of application No. 29/503,695, filed on Sep. 29, 2014, now Pat. No. Des. 744,541.

(58) **Field of Classification Search**

USPC ..... D13/158, 177, 199, 168; D21/333, 483, D21/513, 331  
 CPC ..... H04L 12/00; H03K 17/00; H04W 88/00; H04W 88/04; H04B 1/38; G10H 1/361; H04R 5/00; H04R 1/02; H04R 1/04; H04R 1/08

See application file for complete search history.

(56)

**References Cited**

U.S. PATENT DOCUMENTS

D325,594 S \* 4/1992 Ditzig ..... D10/22  
 5,319,164 A 6/1994 Shen  
 5,891,798 A 4/1999 Doyle et al.  
 5,914,707 A 6/1999 Kono  
 D462,333 S \* 9/2002 Novak ..... D13/168  
 D467,905 S \* 12/2002 Takagi ..... D14/217  
 D473,550 S \* 4/2003 Ribeiro ..... D14/247  
 D497,882 S \* 11/2004 Huang ..... D13/168  
 D500,299 S \* 12/2004 Obata ..... D14/500  
 D502,929 S \* 3/2005 Copeland ..... D13/168  
 6,966,651 B2 11/2005 Johnson  
 6,978,030 B2 12/2005 Reich  
 D531,586 S \* 11/2006 Poulet ..... D13/168  
 D534,898 S 1/2007 Rashid  
 7,203,476 B2 4/2007 Ruelke et al.  
 7,209,648 B2 4/2007 Barber et al.  
 D546,347 S 7/2007 Millora  
 D546,782 S \* 7/2007 Poulet ..... D13/168  
 D552,595 S \* 10/2007 Viduya ..... D14/205  
 D558,186 S \* 12/2007 Kim ..... D14/168  
 D558,767 S \* 1/2008 Solland ..... D14/400  
 D561,168 S \* 2/2008 Song ..... D14/188  
 D563,391 S 3/2008 Skurdal  
 D564,977 S \* 3/2008 Youn ..... D13/168  
 D579,950 S 11/2008 Shimizu  
 D582,887 S \* 12/2008 Poandl ..... D14/172  
 D588,011 S 3/2009 Shimizu  
 D593,101 S \* 5/2009 Alfonso ..... D14/313  
 D596,163 S \* 7/2009 Madonna ..... D14/218  
 7,639,478 B2 12/2009 Wu et al.  
 D609,718 S 2/2010 Chang et al.  
 D611,036 S 3/2010 Cooper et al.  
 D613,270 S 4/2010 Cooper et al.  
 D615,556 S 5/2010 Yeo et al.  
 D616,416 S 5/2010 Lin  
 D616,464 S 5/2010 Park  
 D617,746 S \* 6/2010 Choi ..... D13/168  
 D619,119 S 7/2010 Graber  
 D619,564 S \* 7/2010 Maruska ..... D14/218  
 D640,245 S \* 6/2011 Sadatsuki ..... D14/247  
 8,090,418 B2 1/2012 Thiel et al.  
 8,175,304 B1 5/2012 North  
 8,315,046 B2 11/2012 Cooper  
 D675,190 S 1/2013 Nylén  
 8,469,198 B2 6/2013 Hetu  
 D686,186 S 7/2013 Kaneko et al.  
 D687,017 S \* 7/2013 Ashcraft ..... D14/216  
 8,504,936 B2 8/2013 Gimpl et al.  
 D697,496 S \* 1/2014 Ashcraft ..... D14/216  
 D698,753 S 2/2014 Yiu et al.  
 D718,335 S 11/2014 Lee et al.  
 D719,976 S 12/2014 Bang et al.  
 D722,595 S 2/2015 Mackiewicz et al.  
 D723,514 S 3/2015 Lukic et al.  
 D724,592 S \* 3/2015 Han ..... D14/426

D725,976 S 4/2015 Sikes  
 D726,684 S 4/2015 Schmiedbauer  
 D734,740 S \* 7/2015 Erbeus ..... D14/214  
 D737,248 S 8/2015 Billington  
 D744,541 S \* 12/2015 Langhammer ..... D14/496  
 D750,595 S 3/2016 Weiss  
 D756,333 S \* 5/2016 Smith ..... D14/218  
 D760,702 S \* 7/2016 Sul ..... D14/218  
 D761,766 S \* 7/2016 Kim ..... D14/218  
 D766,213 S 9/2016 Hinokio  
 D768,631 S \* 10/2016 Epstein ..... D14/388  
 D771,141 S \* 11/2016 Langhammer ..... D14/496  
 D771,142 S \* 11/2016 Langhammer ..... D14/496  
 D778,956 S \* 2/2017 Langhammer ..... D14/496  
 D781,918 S \* 3/2017 Langhammer ..... D14/496  
 D785,598 S \* 5/2017 Ikonen ..... D14/218  
 D792,468 S \* 7/2017 Langhammer ..... D14/496  
 D793,356 S \* 8/2017 Hardi ..... D14/205  
 D797,973 S 9/2017 Rousseau  
 D802,022 S 11/2017 Yao et al.  
 D802,561 S 11/2017 Manginello  
 D805,482 S \* 12/2017 McRoberts ..... D13/168  
 D805,502 S \* 12/2017 Zhuang ..... D14/218  
 D810,134 S \* 2/2018 Langhammer ..... D14/496  
 D810,135 S \* 2/2018 Langhammer ..... D14/496  
 D810,136 S \* 2/2018 Langhammer ..... D14/496  
 D810,137 S 2/2018 Tsang et al.  
 D810,783 S \* 2/2018 Langhammer ..... D14/496  
 D814,436 S \* 4/2018 Wen ..... D14/150  
 D815,149 S \* 4/2018 Langhammer ..... D14/496  
 D825,531 S \* 8/2018 Nokuo ..... D14/218  
 D826,205 S \* 8/2018 Langhammer ..... D14/203.6  
 D826,276 S \* 8/2018 Langhammer ..... D14/496  
 D827,615 S \* 9/2018 Akana ..... D14/218  
 D828,323 S \* 9/2018 Demin ..... D14/172  
 D828,856 S \* 9/2018 Langhammer ..... D14/496  
 D829,688 S \* 10/2018 Tanaka ..... D14/216  
 D834,560 S \* 11/2018 Hardi ..... D14/218  
 D835,062 S \* 12/2018 Langhammer ..... D14/203.6  
 D835,071 S \* 12/2018 Channey ..... D14/216  
 D835,614 S \* 12/2018 Kahn ..... D14/240  
 D836,606 S \* 12/2018 Kangasmaa ..... D14/216  
 D841,693 S \* 2/2019 McWilliam ..... D14/496  
 D848,398 S \* 5/2019 Huang ..... D14/216  
 D855,028 S \* 7/2019 Green ..... D14/125  
 D857,017 S \* 8/2019 Cheng ..... D14/388  
 D857,648 S \* 8/2019 Okuley ..... D14/204  
 D857,650 S \* 8/2019 Hardi ..... D14/205  
 10,390,120 B1 \* 8/2019 Yang ..... H04R 3/005  
 D868,603 S \* 12/2019 Yin ..... D10/53  
 D870,704 S \* 12/2019 Leung ..... D14/216  
 D873,244 S \* 1/2020 Lee ..... D14/216  
 D873,270 S \* 1/2020 Ruegg ..... D14/388  
 D875,731 S \* 2/2020 Ruegg ..... D14/388  
 D877,231 S \* 3/2020 Seflic ..... D16/219  
 D877,712 S \* 3/2020 Durkan ..... D14/204  
 D878,325 S \* 3/2020 Paterson ..... D14/203.1  
 D879,152 S \* 3/2020 McWilliam ..... D14/496  
 D880,440 S \* 4/2020 Green ..... D14/125  
 D882,548 S \* 4/2020 Guo ..... D14/216  
 D885,367 S \* 5/2020 Guo ..... D14/216  
 10,659,855 B2 \* 5/2020 Lemons ..... H04R 1/406  
 D886,774 S \* 6/2020 Chang ..... D14/204  
 D892,765 S \* 8/2020 Li ..... D14/216  
 D900,795 S \* 11/2020 Laffon de Mazieres .... D14/240  
 D900,805 S \* 11/2020 McWilliam ..... D14/314  
 D901,431 S \* 11/2020 Paterson ..... D14/203.1  
 D902,759 S \* 11/2020 Joshi ..... D10/103  
 D904,458 S \* 12/2020 Langhammer ..... D14/496  
 D906,290 S \* 12/2020 Kang ..... D14/216  
 D909,993 S \* 2/2021 Han ..... D14/216  
 D912,646 S \* 3/2021 Fu ..... D14/218  
 D915,401 S \* 4/2021 Joshi ..... D14/358  
 D916,034 S \* 4/2021 Shi ..... D13/168  
 D916,082 S \* 4/2021 Joshi ..... D14/358  
 D919,201 S \* 5/2021 Wang ..... D30/199  
 D920,944 S \* 6/2021 Paterson ..... D14/203.1  
 D922,383 S \* 6/2021 Laws ..... D14/385  
 D922,982 S \* 6/2021 Wang ..... D14/218

(56)

**References Cited**

U.S. PATENT DOCUMENTS

D925,143	S	*	7/2021	Jia	.....	D30/199
D929,363	S	*	8/2021	He	.....	D14/204
D930,613	S	*	9/2021	Han	.....	D14/216
D931,834	S	*	9/2021	Han	.....	D14/216
D938,668	S	*	12/2021	Jia	.....	D30/199
D939,581	S	*	12/2021	Li	.....	D14/496
D949,133	S	*	4/2022	Laffon de Mazieres	.	D14/203.3
D952,605	S	*	5/2022	Lin	.....	D14/216
D954,673	S	*	6/2022	Stefans	.....	D14/218
D954,674	S	*	6/2022	Stefans	.....	D14/218
D954,676	S	*	6/2022	Stefans	.....	D14/218
2016/0345086	A1	*	11/2016	Chamberlin	.....	H04R 1/025

OTHER PUBLICATIONS

Indian Office Action dated Jun. 15, 2015 for Indian patent application No. 270565, a counterpart foreign application of U.S. Appl. No. 29/503,695, 46 pages.

Japanese Office Action dated Nov. 13, 2015 for Japanese patent application No. 2015-004370, a counterpart foreign application of U.S. Appl. No. 29/503,695, 4 pages.

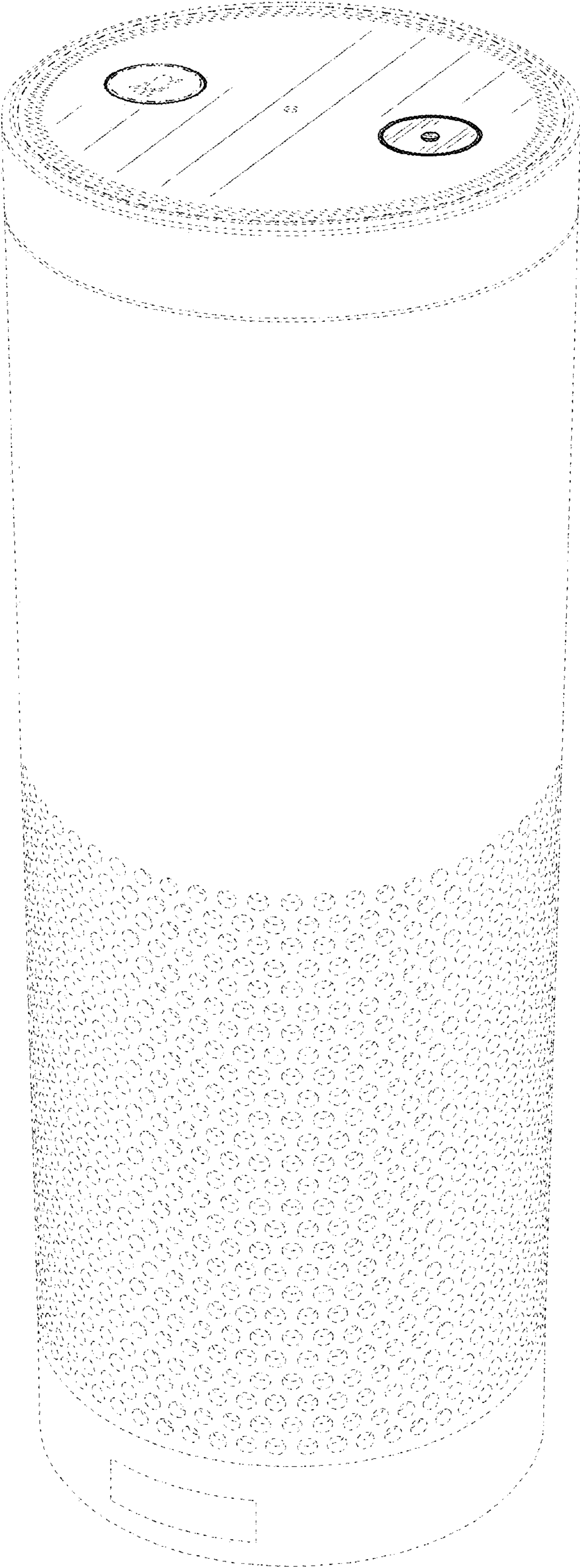
Japanese Office Action dated Jun. 12, 2015 for Japanese patent application No. 2015-004370, a counterpart foreign application of U.S. Appl. No. 29/503,695, 4 pages.

Korean Office Action dated Oct. 30, 2015 for Korean patent application No. 30-2015-11271, a counterpart foreign application of U.S. Appl. No. 29/503,695, 2 pages.

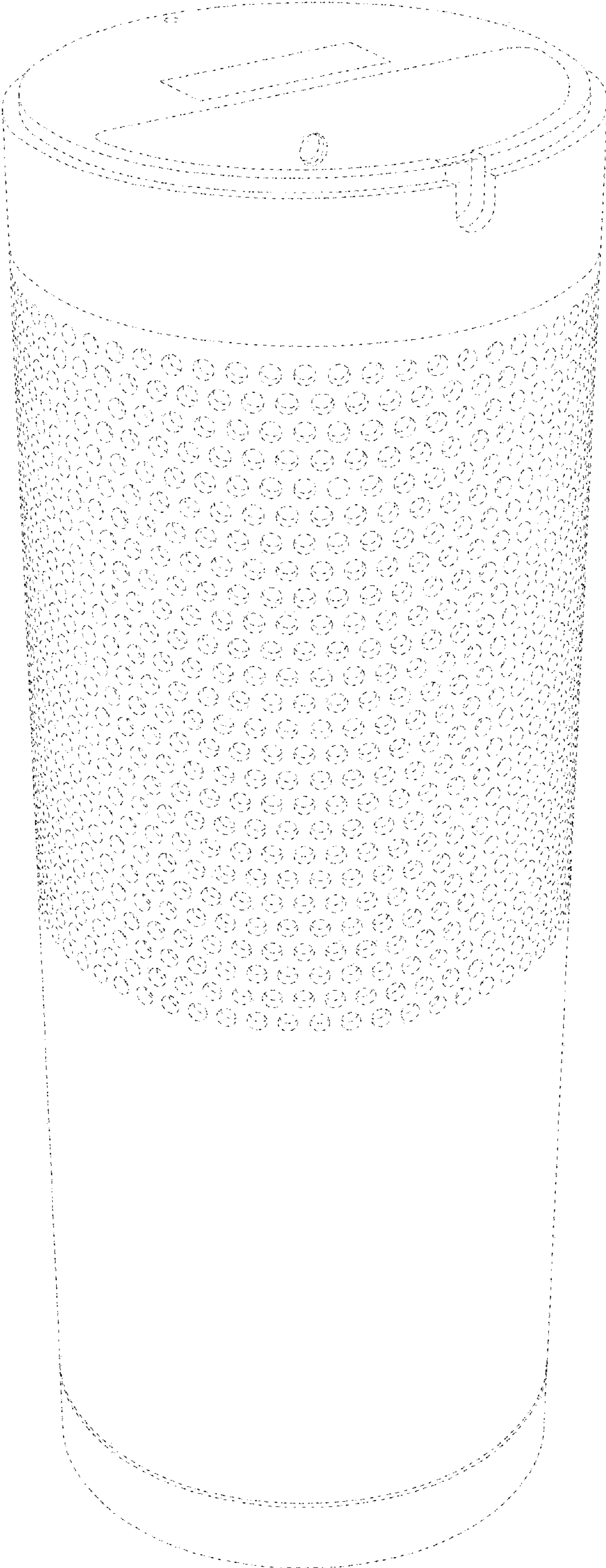
Office Action for U.S. Appl. No. 29/620,880, dated Dec. 22, 2017, Langhammer, "Audio Input/Output Device", 6 pages.

Stelle Audio Couture, The Pillar, Quick Start Guide, 2013, 60 pages.

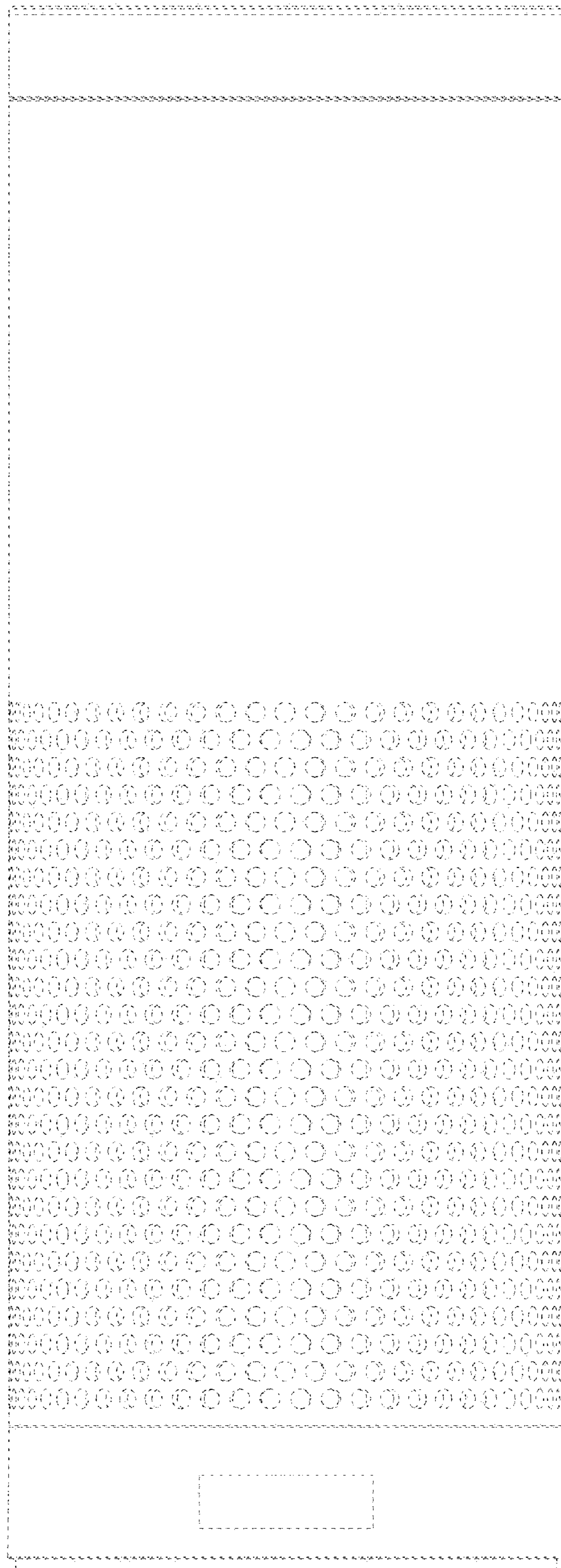
\* cited by examiner



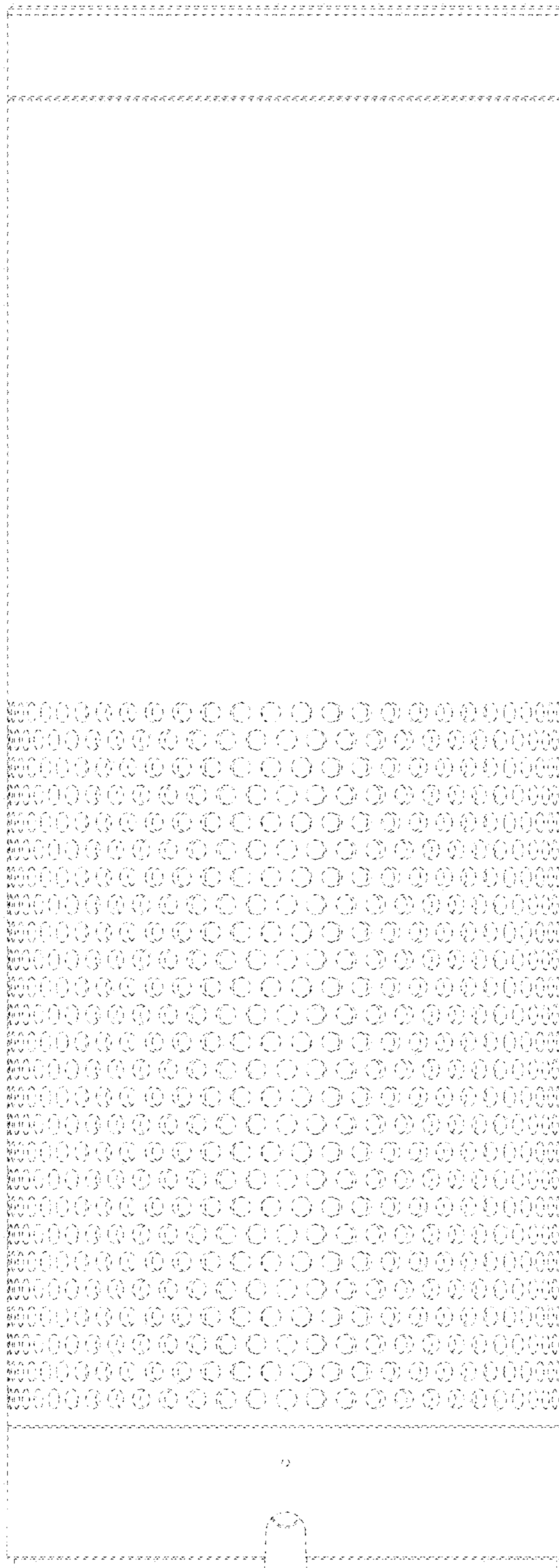
**FIG. 1**



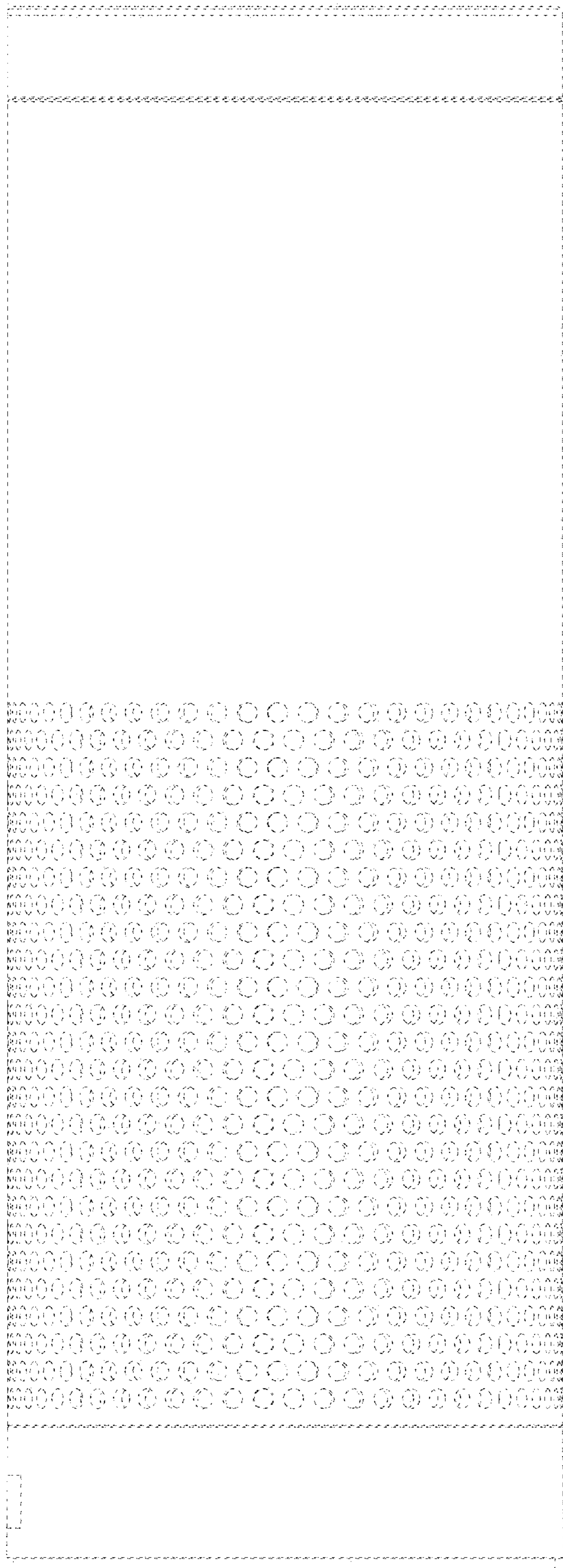
**FIG. 2**



**FIG. 3**

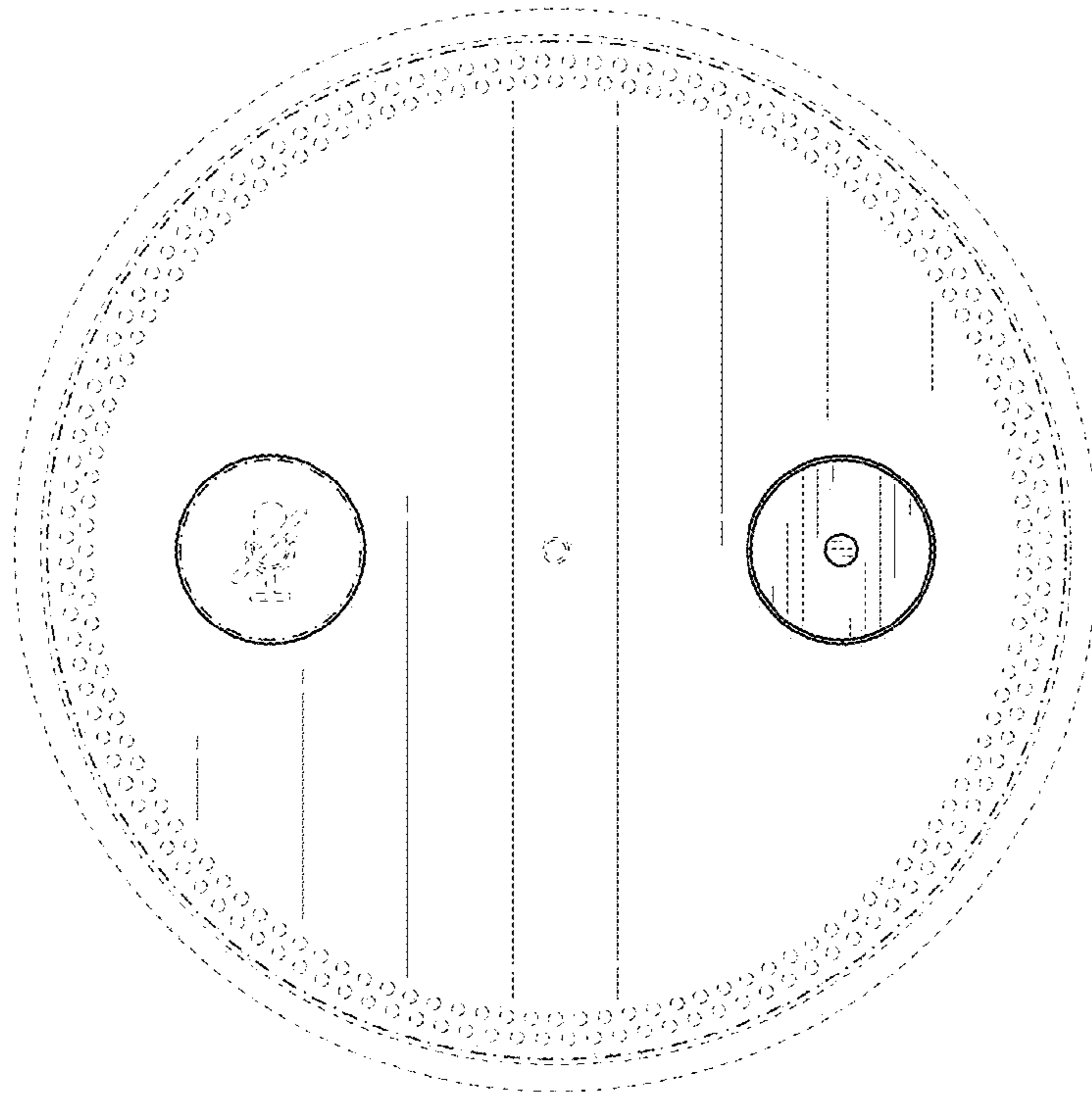


**FIG. 4**

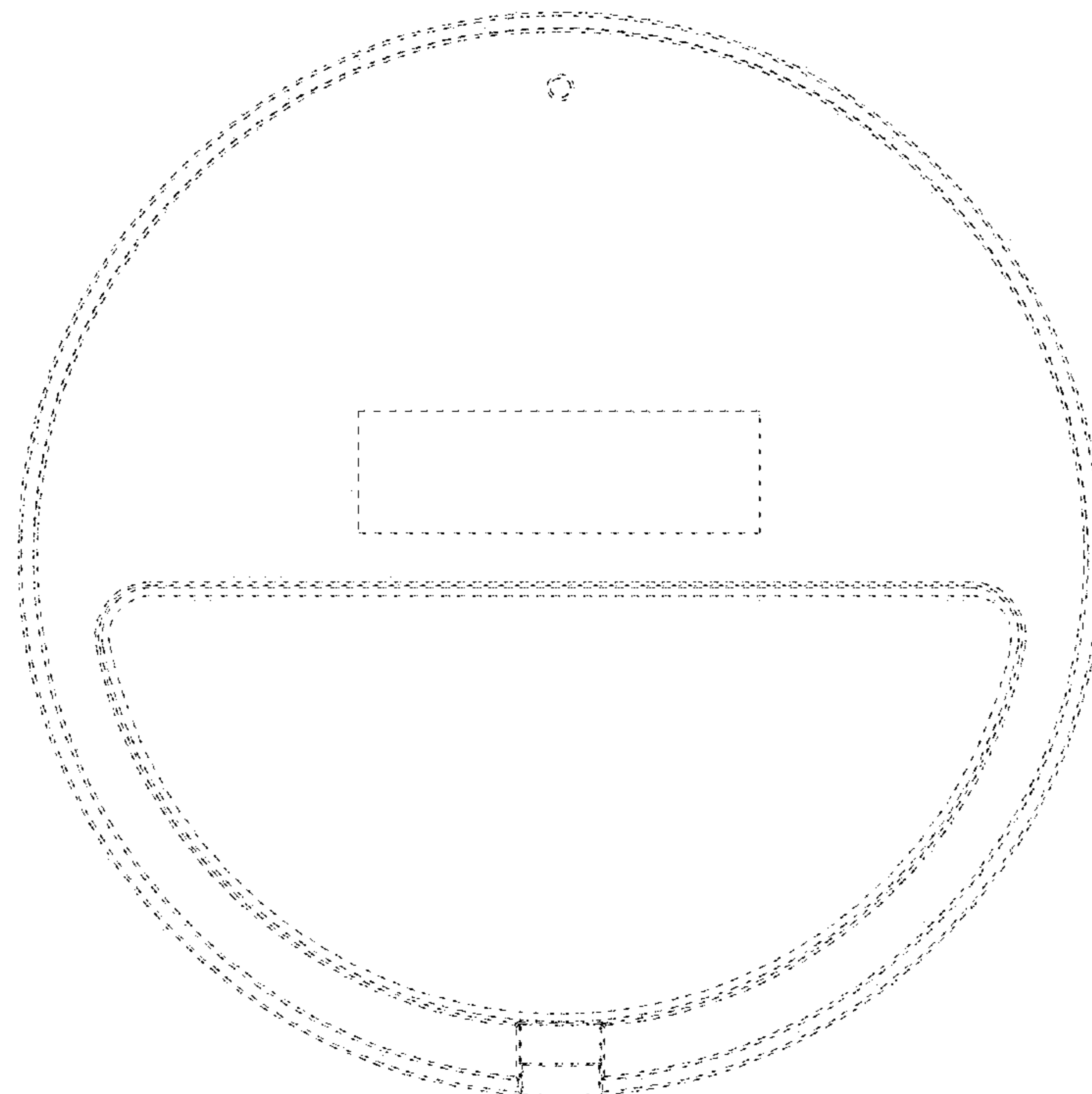


**FIG. 5**





**FIG. 6**



**FIG. 7**