



US00D930233S

(12) **United States Design Patent** (10) **Patent No.:** **US D930,233 S**  
**Liu** (45) **Date of Patent:** **\*\* Sep. 7, 2021**

(54) **BATTERY FOR ELECTRONIC CIGARETTES**

47/004; A24F 1/00; A24F 42/20; A61M 11/042; A61M 15/06; A61M

(71) Applicant: **Tuanfang Liu**, Shenzhen (CN)

(Continued)

(72) Inventor: **Tuanfang Liu**, Shenzhen (CN)

(56) **References Cited**

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

U.S. PATENT DOCUMENTS

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D491,888 S \* 6/2004 Lee ..... D13/103  
D665,734 S \* 8/2012 Fitch ..... D13/107

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(30) **Foreign Application Priority Data**

FOREIGN PATENT DOCUMENTS

Jul. 19, 2019 (CN) ..... 201930386006.0

CN 201930202043.1 \* 12/2019

(51) **LOC (13) Cl.** ..... **27-02**

OTHER PUBLICATIONS

(52) **U.S. Cl.**

USPC ..... **D27/162**; D13/119

RPM80 and RPM80 Pro Pod Mods by Smok. By Matt From SMM. Dated Jan. 28, 2020. Found online [Feb. 10, 2021]. <https://www.youtube.com/watch?v=Q394RyQMMks> (Year: 2020).\*

(58) **Field of Classification Search**

USPC ..... D27/100, 101, 162, 163, 164, 165, 166, D27/167, 168, 169, 170, 171, 172, 173, D27/174, 175, 176, 177, 178, 179, 180, D27/181, 182, 183, 184, 185, 186, 187, D27/188, 189, 190, 191, 192, 193; D28/91.1; D23/360, 362; D24/110, D24/110.4, 110.5, 110.6, 113; D13/103, D13/107, 108, 119; D14/240

(Continued)

CPC ..... A24F 40/10; A24F 40/40; A24F 40/46; A24F 40/42; A24F 40/44; A24F 40/485; A24F 40/50; A24F 40/60; A24F 40/90; A24F 40/53; A24F 40/70; A24F 40/48; A24F 40/51; A24F 40/57; A24F 40/05; A24F 40/65; A24F 40/20; A24F 47/002; A24F 40/30; A24F 7/00; A24F 47/00; A24F 1/32; A24F 40/00; A24F 40/49; A24F 40/85; A24F 40/95; A24F 7/04; A24F 9/16; A24F 47/008; A24F 15/015; A24F 40/465; A24F 42/60; A24F 1/02; A24F 2700/03; A24F 47/006; A24F 13/00; A24F 13/14; A24F 15/01; A24F 15/12; A24F 15/14; A24F 15/18; A24F 42/00; A24F 42/10; A24F 7/02; A24F

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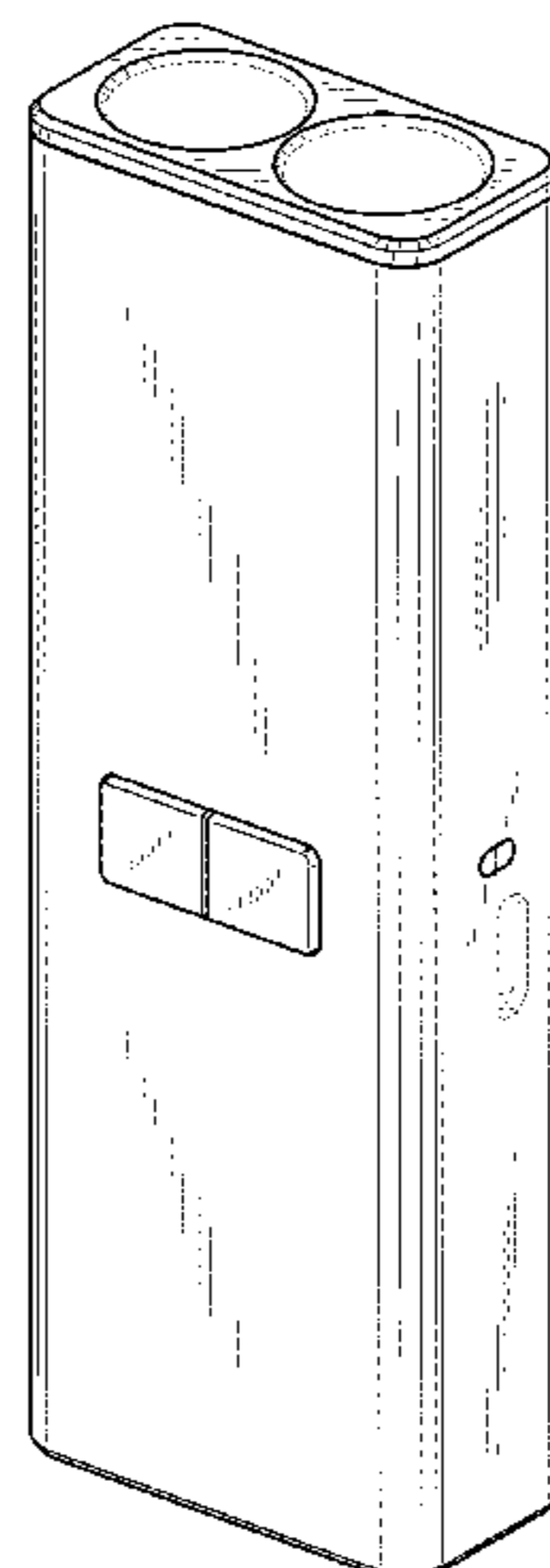
(57) **CLAIM**

The ornamental design for a battery for electronic cigarettes, as shown and described.

**DESCRIPTION**

FIG. 1 is a front elevation view of a battery for electronic cigarettes;  
FIG. 2 is a rear elevation view thereof;  
FIG. 3 is a left-side elevation view thereof;  
FIG. 4 is a right-side elevation view thereof;  
FIG. 5 is a top plan view thereof;  
FIG. 6 is a bottom plan view thereof;  
FIG. 7 is a perspective view thereof; and,  
FIG. 8 is a bottom perspective view thereof.

(Continued)



The portions of the battery for electronic cigarettes shown in broken lines form no part of the claimed design.

**1 Claim, 8 Drawing Sheets**

**(58) Field of Classification Search**

CPC ..... 2205/82; A61M 15/002; A61M 11/041;  
 A61M 15/0001; A61M 15/0085; A61M  
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 A61M 15/0015; A61M 15/0021; A61M  
 15/0028; A61M 15/0091; A61M 15/0095;  
 A61M 16/0808; A61M 2205/0211; A61M  
 2205/0238; A61M 2205/0272; A61M  
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 2205/3317; A61M 2205/50; A61M  
 2205/52; A61M 2205/3368

See application file for complete search history.

**(56) References Cited**

U.S. PATENT DOCUMENTS

D688,418 S \* 8/2013 Liu ..... D27/189  
 D711,820 S \* 8/2014 Zeng ..... D13/108

D730,572 S \* 5/2015 Leidel ..... D27/163  
 D733,356 S \* 6/2015 Leidel ..... D27/163  
 D733,651 S \* 7/2015 Liu ..... D13/108  
 D748,325 S \* 1/2016 Leidel ..... D27/163  
 D763,185 S \* 8/2016 Wen ..... D13/103  
 D769,185 S \* 10/2016 Lee ..... D13/108  
 D776,051 S \* 1/2017 Wang ..... D13/103  
 D780,116 S \* 2/2017 Bing ..... D13/107  
 D781,272 S \* 3/2017 Virhia ..... D14/240  
 D791,077 S \* 7/2017 Tsou ..... D13/108  
 D807,286 S \* 1/2018 Qiu ..... D13/103  
 D823,243 S \* 7/2018 Toscani ..... D13/107  
 D825,455 S \* 8/2018 Liu ..... D13/103  
 D842,238 S \* 3/2019 Qiu ..... D13/103  
 D877,064 S \* 3/2020 Jiang ..... D13/103  
 D881,459 S \* 4/2020 Ouyang ..... D27/162  
 D899,678 S \* 10/2020 Liu ..... D27/162  
 D904,301 S \* 12/2020 Smalley ..... D13/110

OTHER PUBLICATIONS

Smok Stick X8 Kit. By Matt From SMM. Dated Sep. 20, 2017.  
 Found online [Feb. 24, 2021]. <https://www.youtube.com/watch?v=zBq15Zt1GvI> (Year: 2017).\*

\* cited by examiner

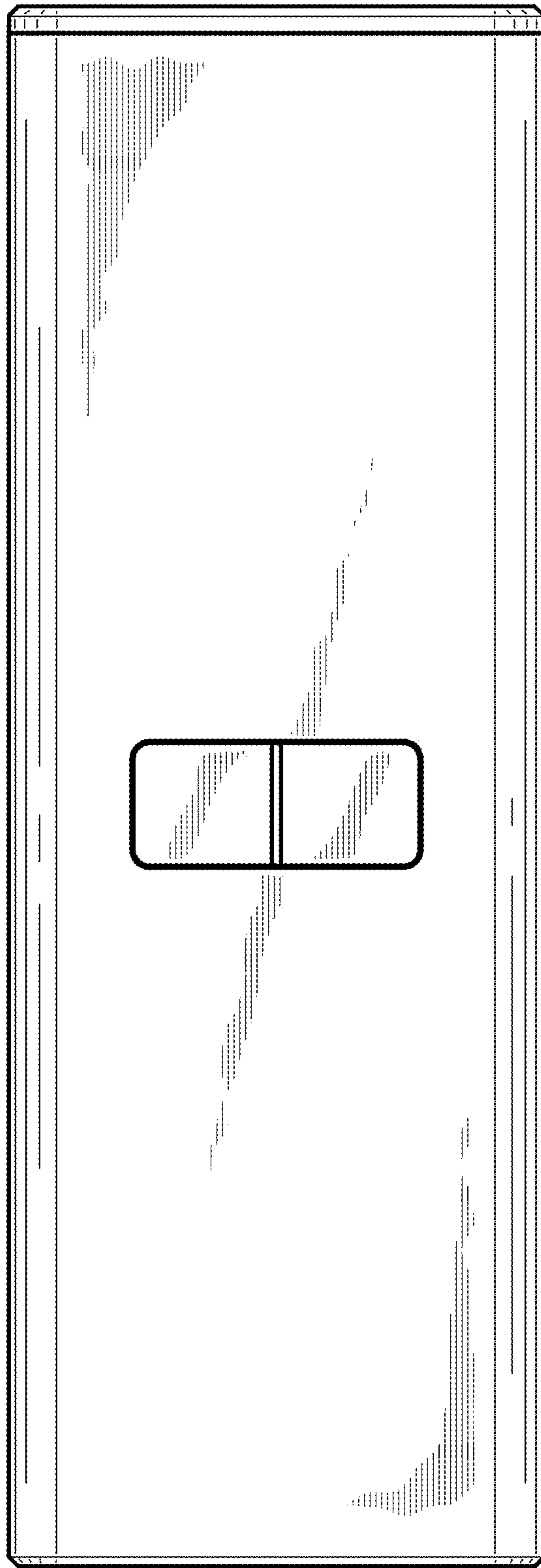


FIG. 1

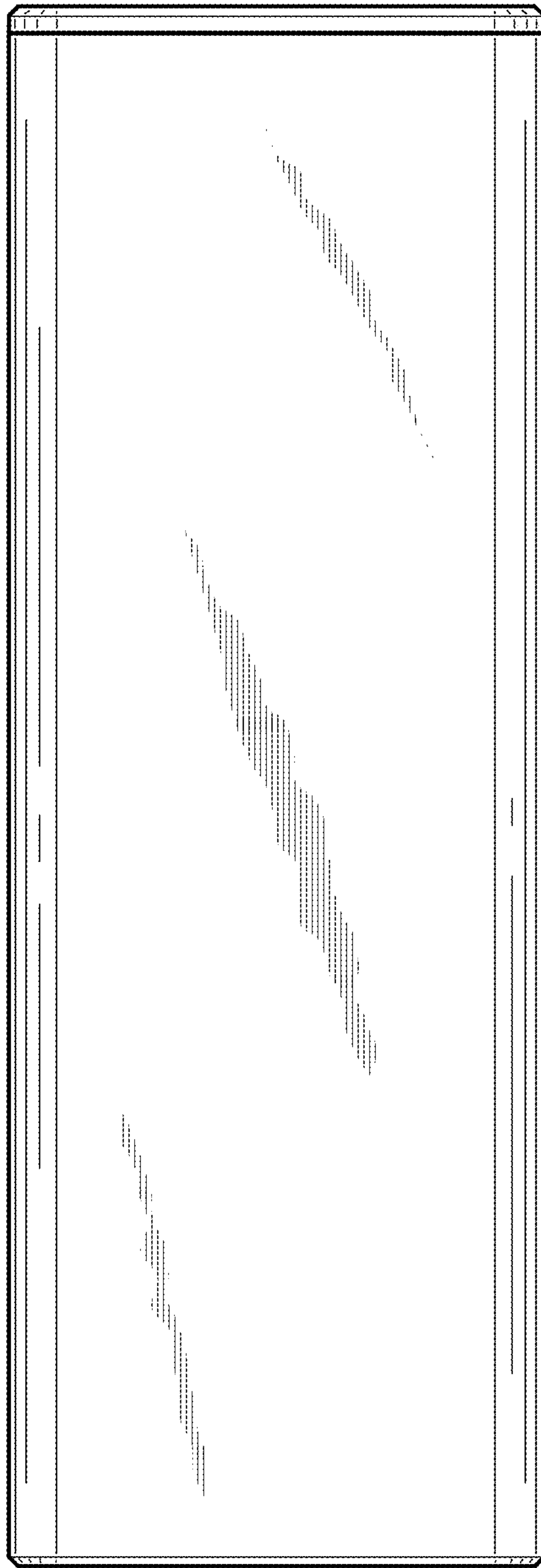


FIG. 2

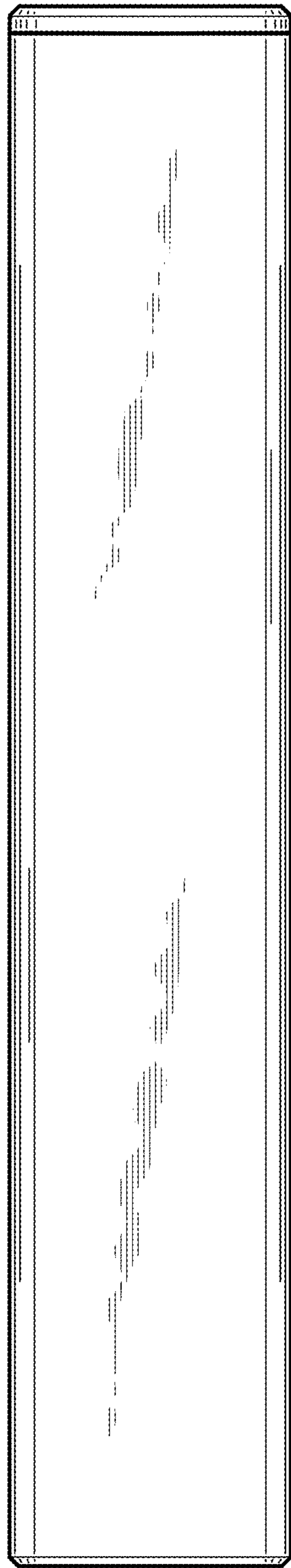
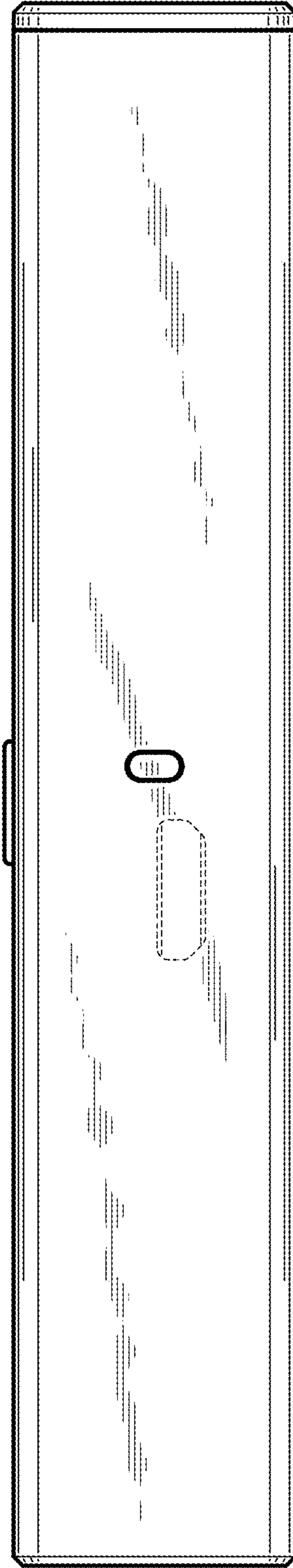
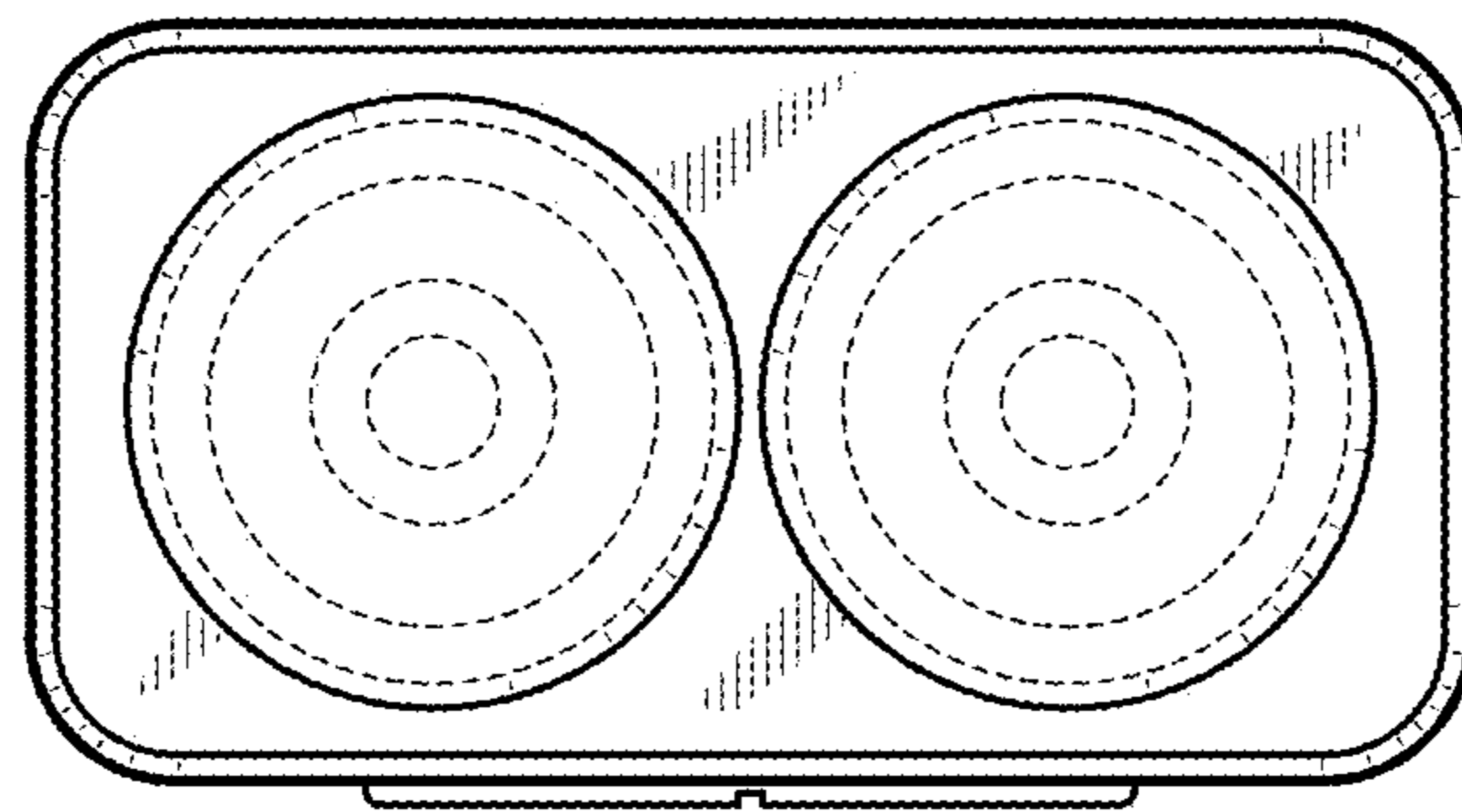


FIG. 3



**FIG. 4**



**FIG. 5**

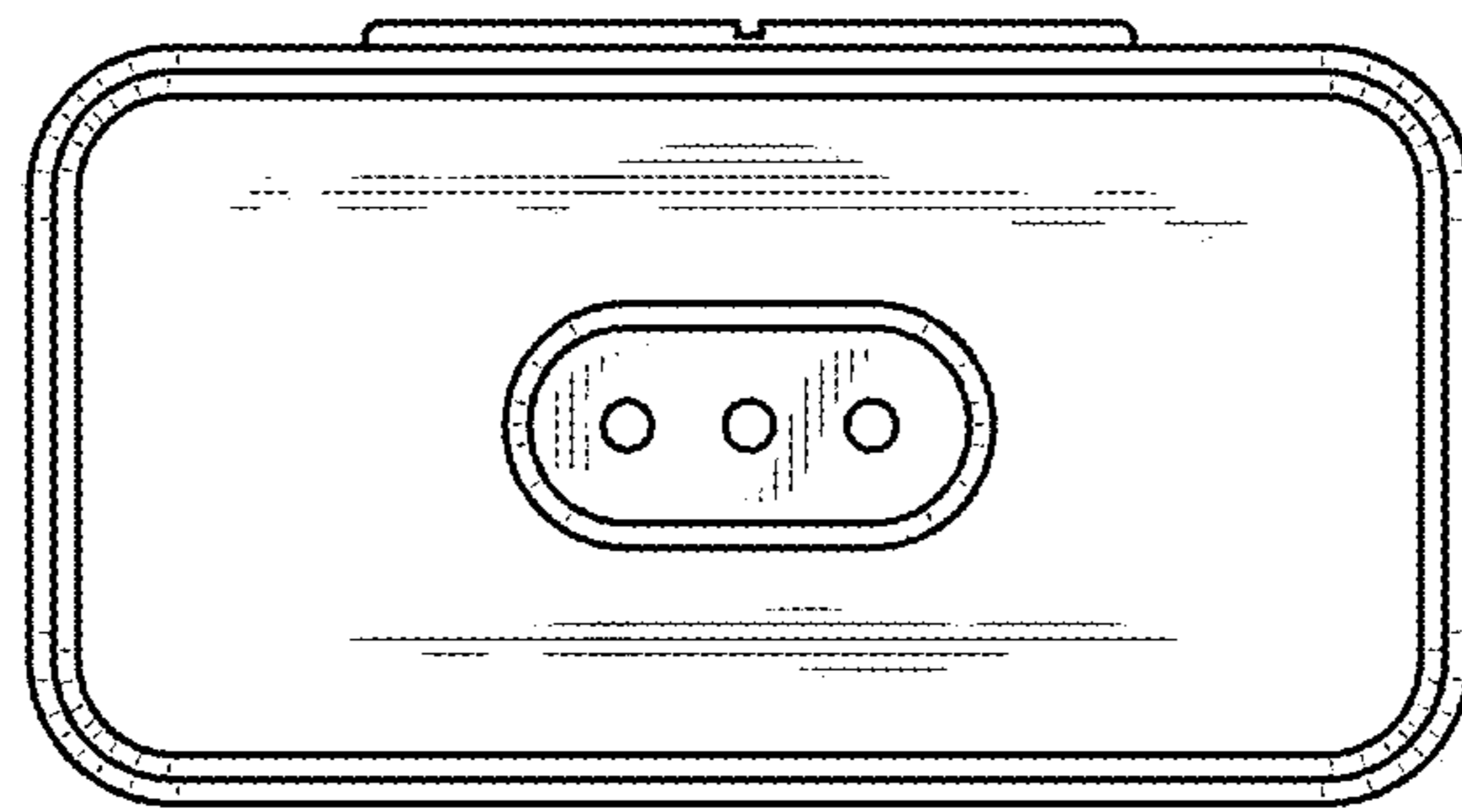


FIG. 6



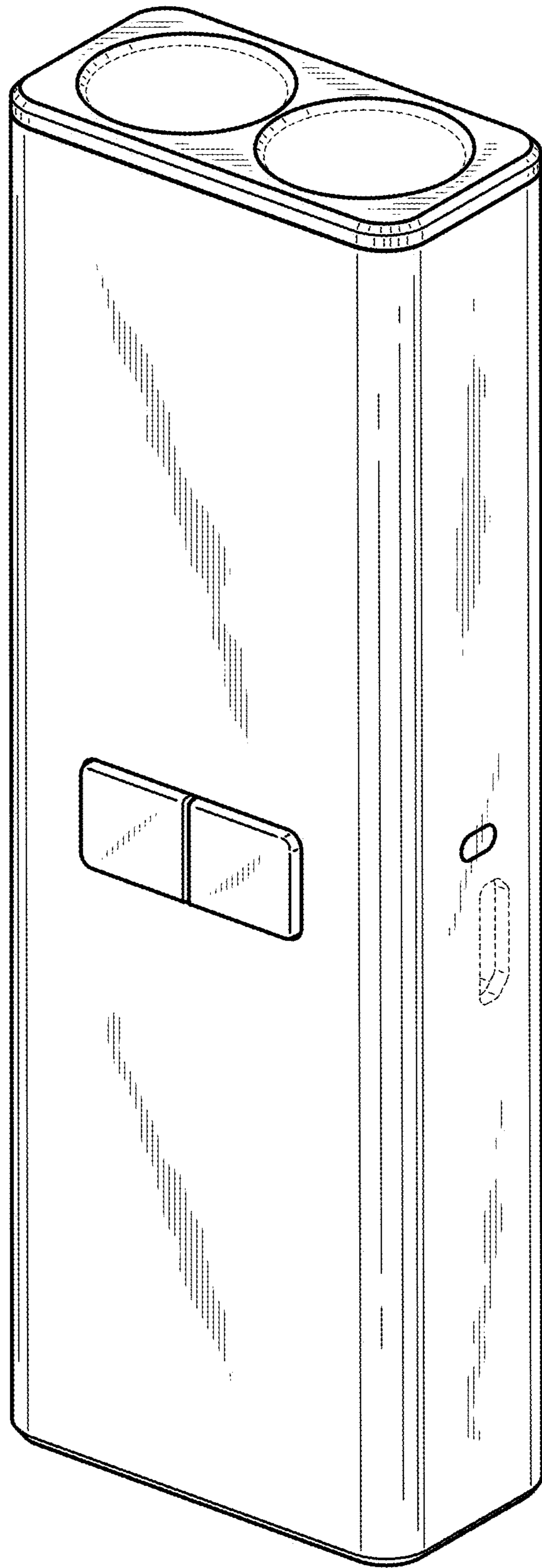


FIG. 7

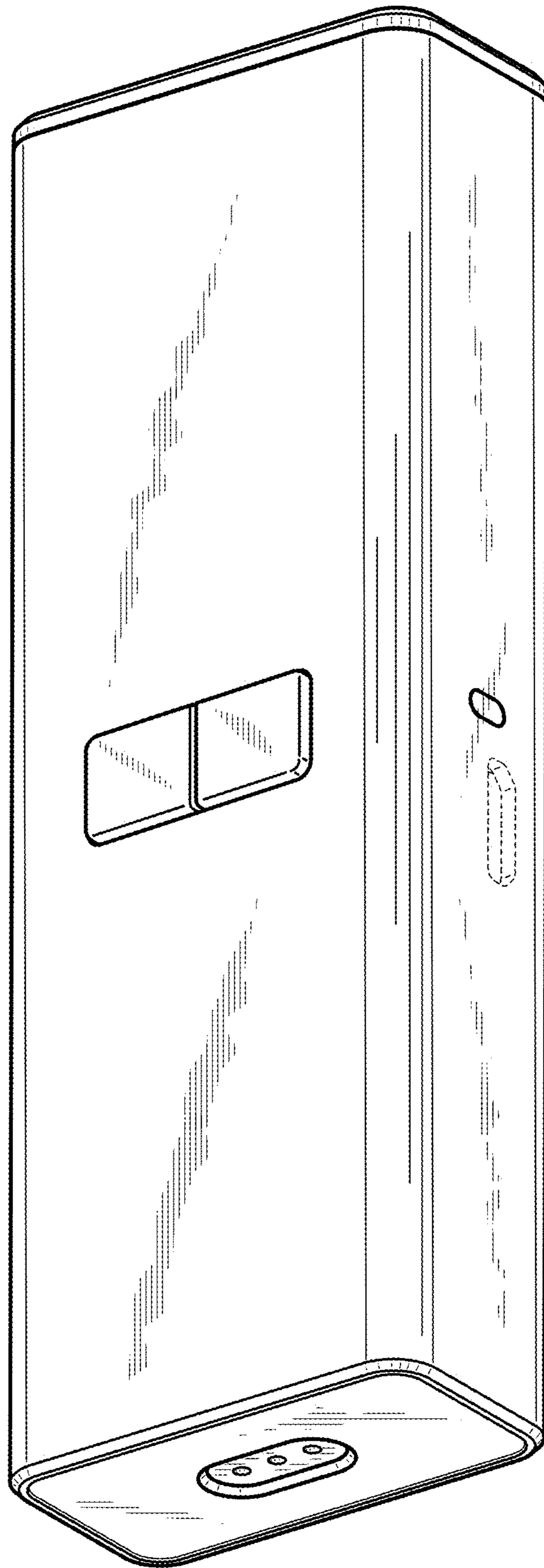


FIG. 8