



US00D971188S

(12) **United States Design Patent** (10) **Patent No.:** **US D971,188 S**  
**Deng** (45) **Date of Patent:** **\*\* Nov. 29, 2022**

(54) **MICROPHONE EMITTER**  
(71) Applicant: **Shenzhen Jiayz Photo Industrial, Ltd, Shenzhen (CN)**  
(72) Inventor: **Gang Deng, Shenzhen (CN)**  
(\*\*) Term: **15 Years**  
(21) Appl. No.: **29/773,641**  
(22) Filed: **Mar. 10, 2021**  
(51) **LOC (13) Cl.** ..... **14-01**  
(52) **U.S. Cl.**  
USPC ..... **D14/225; D14/226**  
(58) **Field of Classification Search**  
USPC ..... D14/225, 226, 217, 188, 192, 191, 253,  
D14/496, 203.7, 137; D13/168, 110;  
224/241; 439/131, 76.1; 361/814  
CPC ..... H04R 1/02; H04R 19/04; H04R 25/00;  
A45F 5/00; A45F 5/02; H04B 1/38;  
H04B 1/034; H04M 11/00; H04M 1/00  
See application file for complete search history.

D379,809 S \* 6/1997 Lindeman ..... D14/137  
5,664,292 A \* 9/1997 Chen ..... A45F 5/02  
24/3.12  
D394,261 S \* 5/1998 Chan ..... D14/154  
5,748,454 A \* 5/1998 Nichols ..... H04M 1/0262  
24/3.12  
D396,860 S \* 8/1998 Yasutomi ..... D14/188  
D409,374 S \* 5/1999 Laba ..... D3/218  
5,950,897 A \* 9/1999 Kao ..... A45F 5/021  
224/268  
5,974,304 A \* 10/1999 Chen ..... H04B 1/086  
455/90.3  
D429,371 S \* 8/2000 Matoba ..... D27/141  
D446,499 S \* 8/2001 Andre ..... D13/110  
D454,110 S \* 3/2002 Andre ..... D13/110  
D496,030 S \* 9/2004 Harbeke ..... D14/225

(Continued)

**FOREIGN PATENT DOCUMENTS**

EM 007488747-0001 \* 1/2020  
EM 008434260-0002 \* 2/2021

*Primary Examiner* — Paula Allen Greene

(57) **CLAIM**

The ornamental design for a microphone emitter, as shown and described.

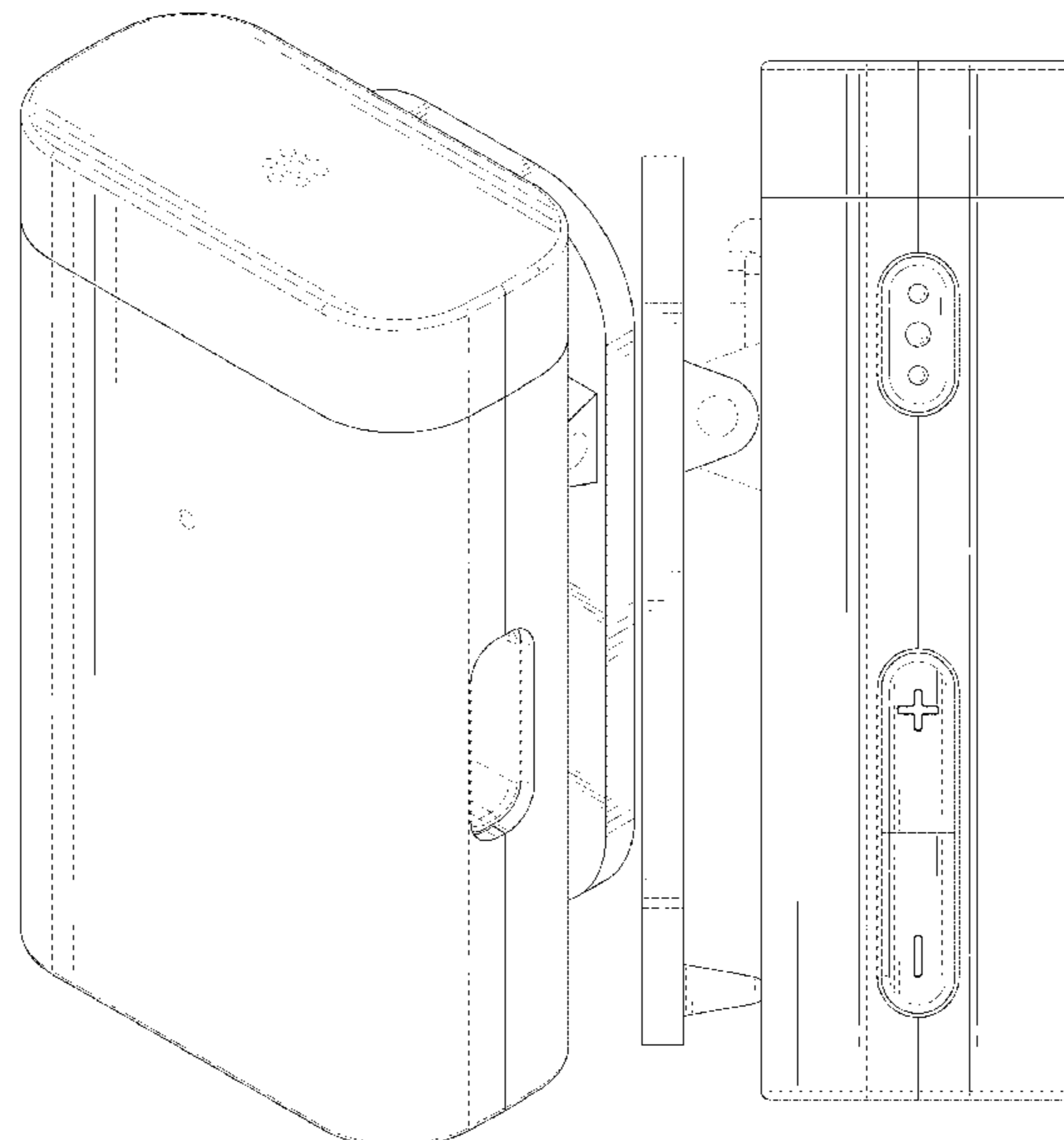
**DESCRIPTION**

FIG. 1 is a front and top perspective view of a microphone emitter; showing my new design;  
FIG. 2 is a rear and bottom perspective view thereof;  
FIG. 3 is a front elevation view thereof;  
FIG. 4 is a rear elevation view thereof;  
FIG. 5 is a left side elevation view thereof;  
FIG. 6 is a right side elevation view thereof;  
FIG. 7 is a top plan view thereof; and,  
FIG. 8 is a bottom plan view thereof.  
The broken lines in the figures illustrate portions of the microphone emitter that form no part of the claimed design.

**1 Claim, 8 Drawing Sheets**

(56) **References Cited**  
U.S. PATENT DOCUMENTS

D167,828 S \* 9/1952 Florac ..... D14/137  
D223,835 S \* 6/1972 Schmidt ..... D14/191  
D229,567 S \* 12/1973 Goldman et al. .... D10/116.1  
D255,446 S \* 6/1980 Iwata ..... D14/192  
D262,965 S \* 2/1982 Iwata ..... D14/192  
D264,080 S \* 4/1982 Iwata ..... D14/191  
D277,753 S \* 2/1985 Eckmann ..... D14/191  
D281,975 S \* 12/1985 Oyamada ..... D14/197  
D297,431 S \* 8/1988 Beard ..... D14/431  
D297,518 S \* 9/1988 Yuen ..... D10/106.1  
D304,191 S \* 10/1989 Sekine ..... D14/192  
D306,519 S \* 3/1990 Nakata ..... D3/206  
5,081,709 A \* 1/1992 Benyo ..... A45F 5/02  
224/679  
D340,575 S \* 10/1993 Suwa ..... D27/189



(56)

References Cited

U.S. PATENT DOCUMENTS

7,013,164 B2 \* 3/2006 Lin ..... H04B 1/207  
 455/42  
 D539,814 S \* 4/2007 Andre ..... D14/203.3  
 D541,784 S \* 5/2007 Cho ..... D14/138 AD  
 D554,616 S \* 11/2007 Pierce ..... D14/191  
 D558,742 S \* 1/2008 Koller ..... D14/225  
 D568,877 S \* 5/2008 Bodley ..... D14/225  
 D579,887 S \* 11/2008 Yamane ..... D16/202  
 D580,854 S \* 11/2008 Kim ..... D3/302  
 D581,943 S \* 12/2008 Pedersen ..... D14/150  
 D583,806 S \* 12/2008 Okazaki ..... D14/225  
 D586,741 S \* 2/2009 Song ..... D13/103  
 D587,740 S \* 3/2009 Friedman ..... D16/325  
 D590,826 S \* 4/2009 Andre ..... D14/496  
 D592,677 S \* 5/2009 Sheba ..... D14/496  
 D594,002 S \* 6/2009 Kettula ..... D14/240  
 D601,490 S \* 10/2009 Zhu ..... D13/102  
 D604,723 S \* 11/2009 Bodley ..... D14/225  
 D615,556 S \* 5/2010 Yeo ..... D14/203.3  
 D616,899 S \* 6/2010 Andre ..... D14/496  
 D618,207 S \* 6/2010 Andre ..... D14/203.3

D618,676 S \* 6/2010 Hui ..... D14/300  
 D622,213 S \* 8/2010 Nomi ..... D13/103  
 D626,552 S \* 11/2010 Andre ..... D14/496  
 D626,770 S \* 11/2010 Sloas ..... D6/515  
 D649,139 S \* 11/2011 Waay ..... D14/225  
 D671,020 S \* 11/2012 Collins ..... D10/70  
 D719,976 S \* 12/2014 Bang ..... D14/203.1  
 D750,563 S \* 3/2016 Hedderich ..... D13/137.1  
 D786,106 S \* 5/2017 Yau ..... D10/70  
 D792,409 S \* 7/2017 Shim ..... D14/435  
 D815,070 S \* 4/2018 Elmieh ..... D14/240  
 D835,591 S \* 12/2018 Shim ..... D13/184  
 D848,984 S \* 5/2019 Ohashi ..... D14/225  
 D875,036 S \* 2/2020 Gan ..... D13/103  
 D894,161 S \* 8/2020 Ye ..... D14/225  
 D900,795 S \* 11/2020 Laffon de Mazieres . D14/203.3  
 D917,431 S \* 4/2021 Gao ..... D14/225  
 D925,503 S \* 7/2021 Wang ..... D14/228  
 D925,504 S \* 7/2021 Wang ..... D14/228  
 2011/0254509 A1 \* 10/2011 Boczer ..... H01M 10/0569  
 429/127  
 2013/0230752 A1 \* 9/2013 Fujihara ..... H01M 50/3425  
 429/82

\* cited by examiner

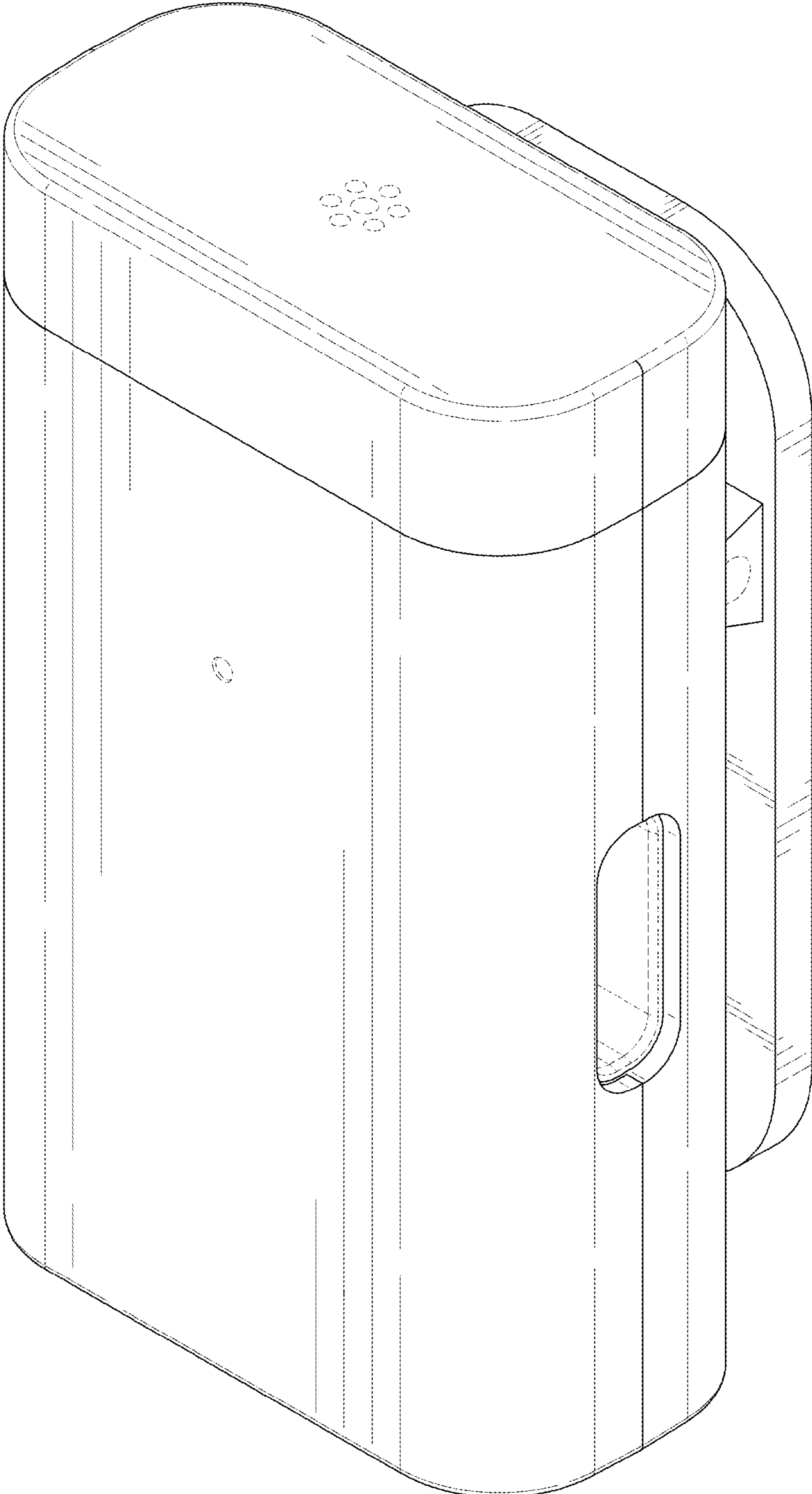


FIG. 1

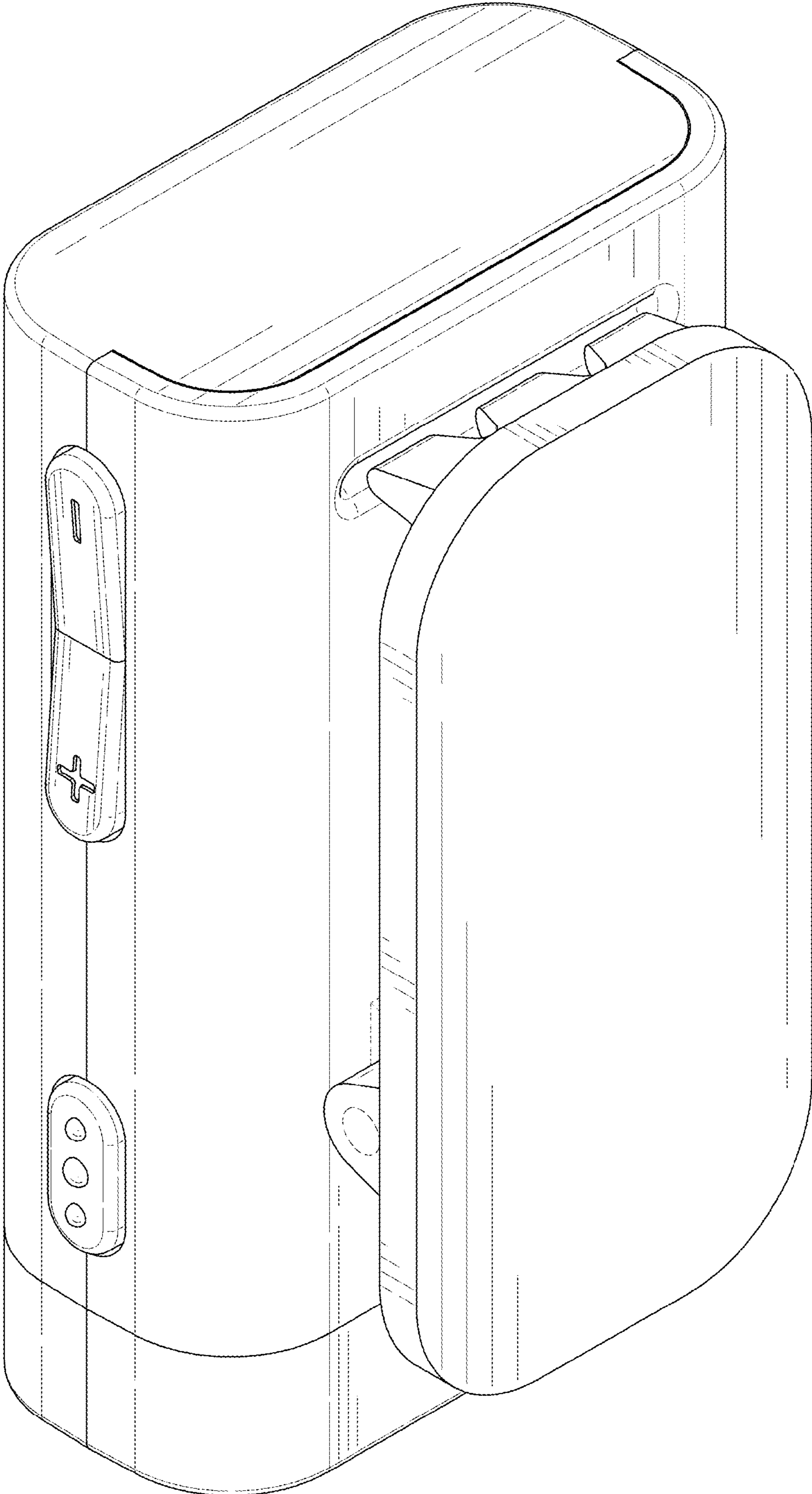


FIG. 2



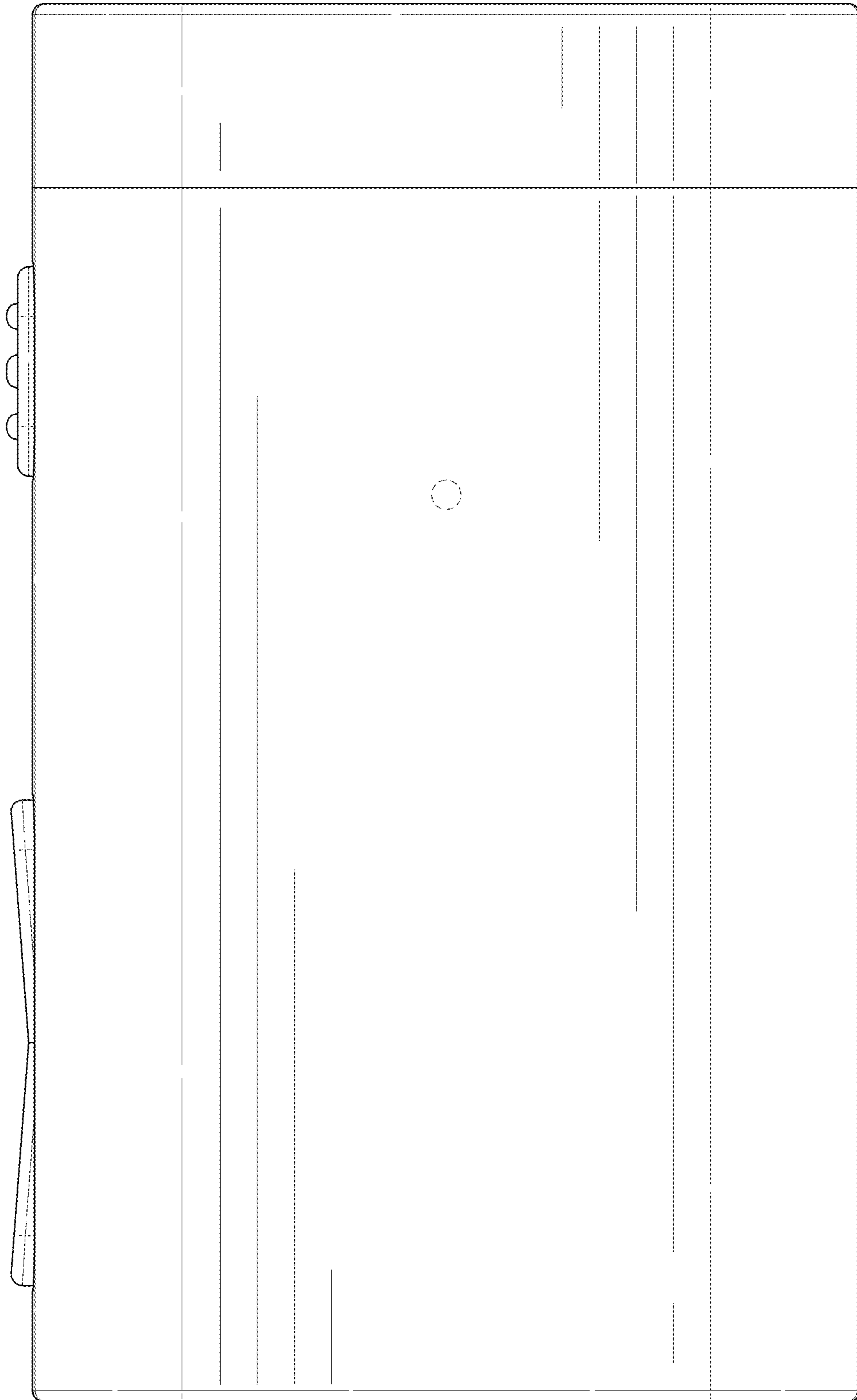


FIG. 3

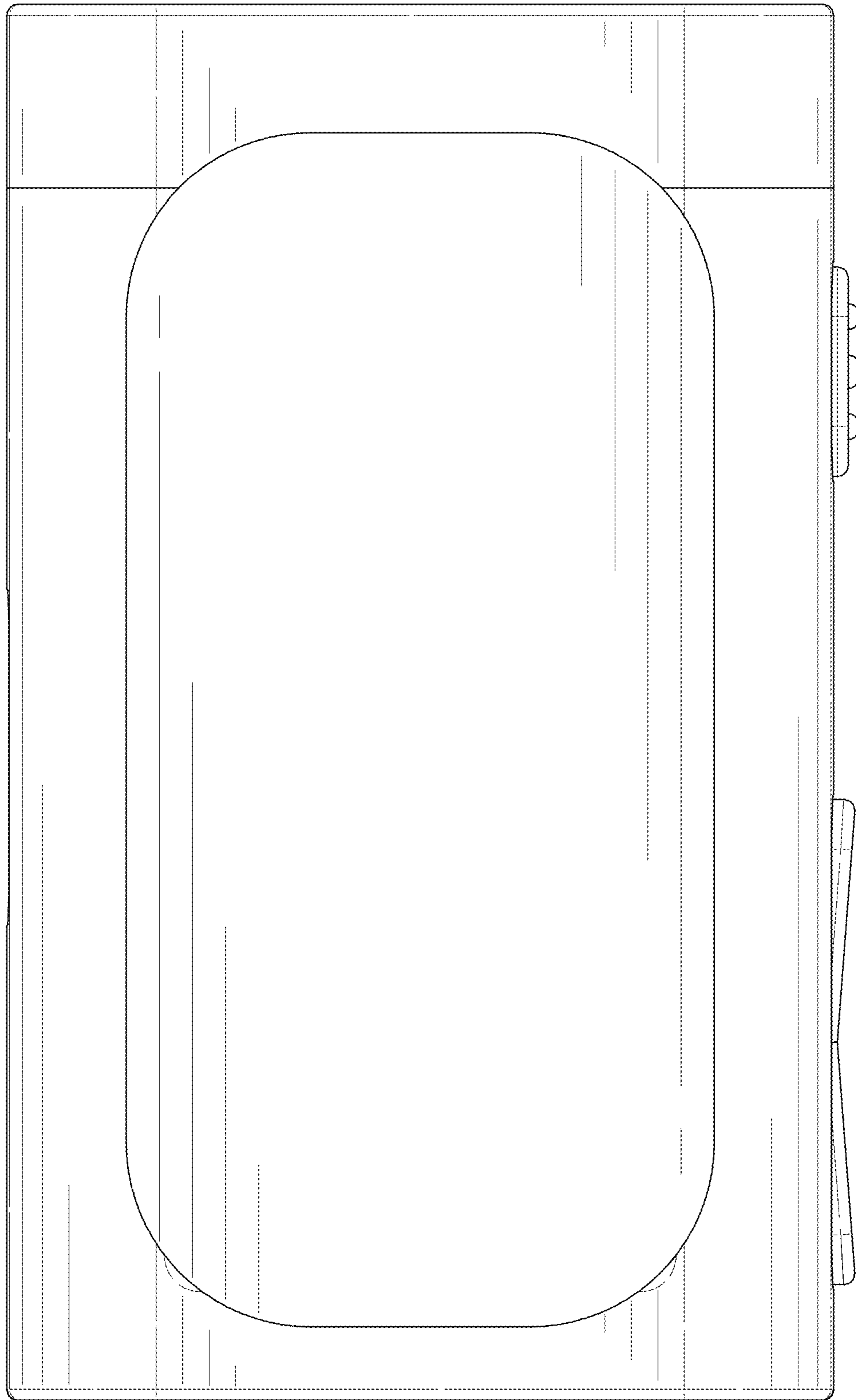


FIG. 4

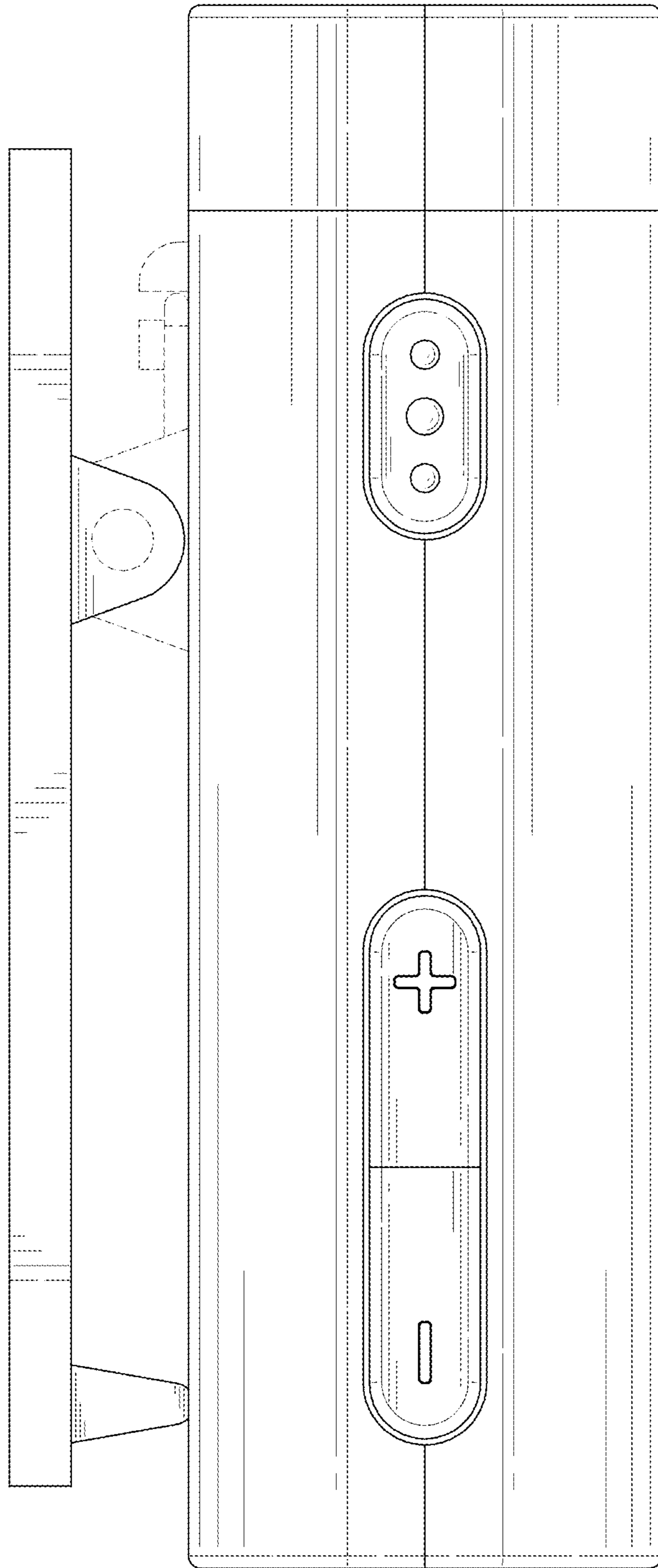


FIG. 5

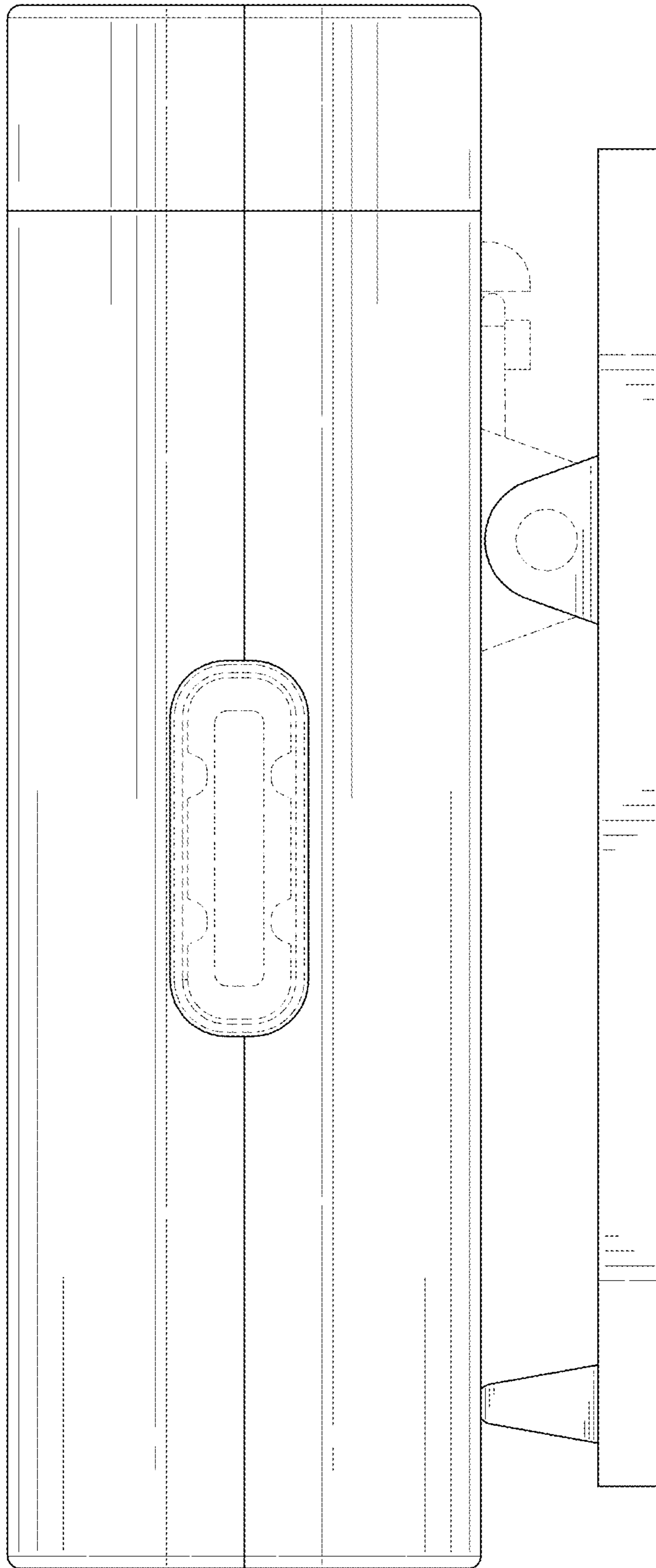


FIG. 6



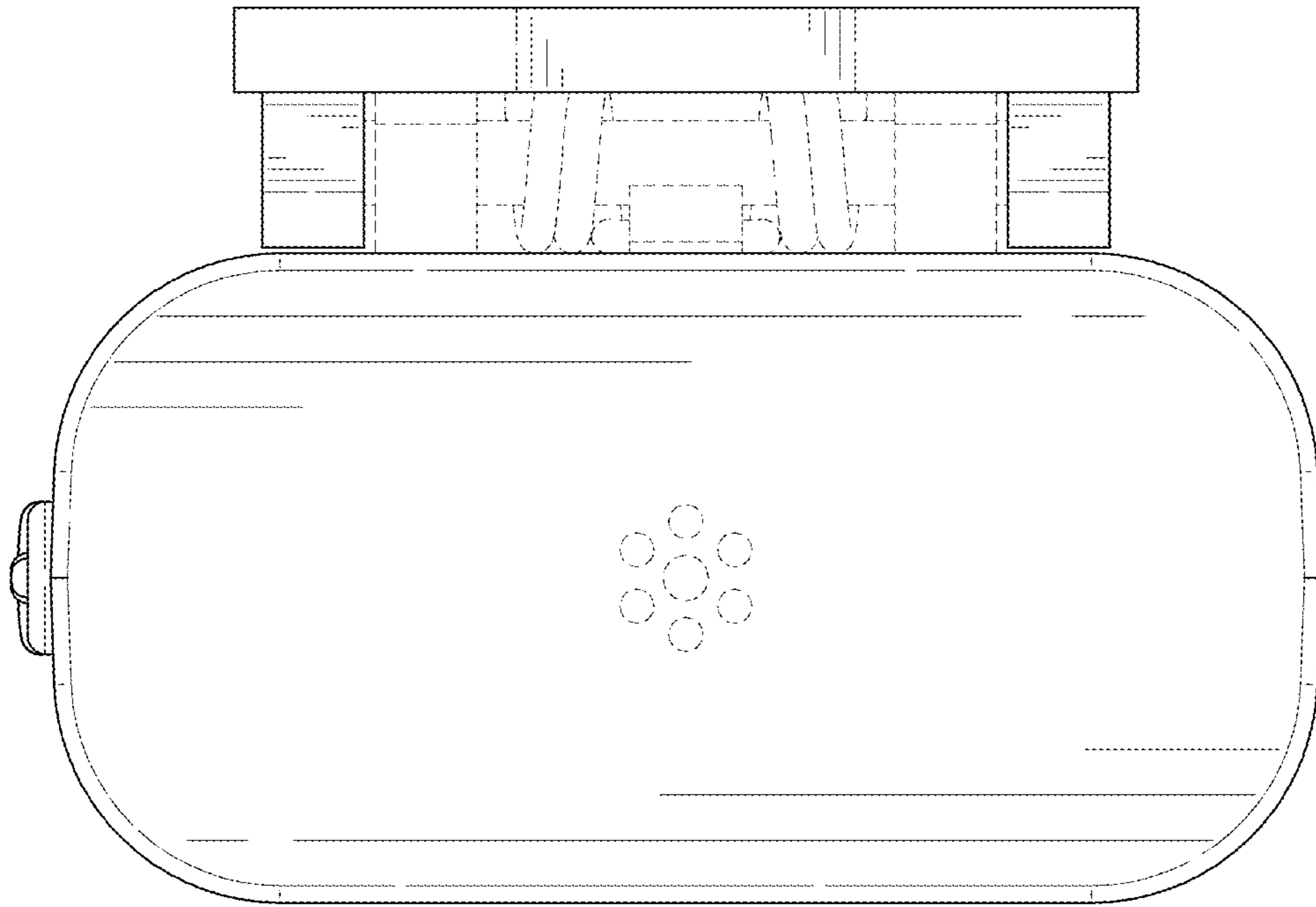


FIG. 7

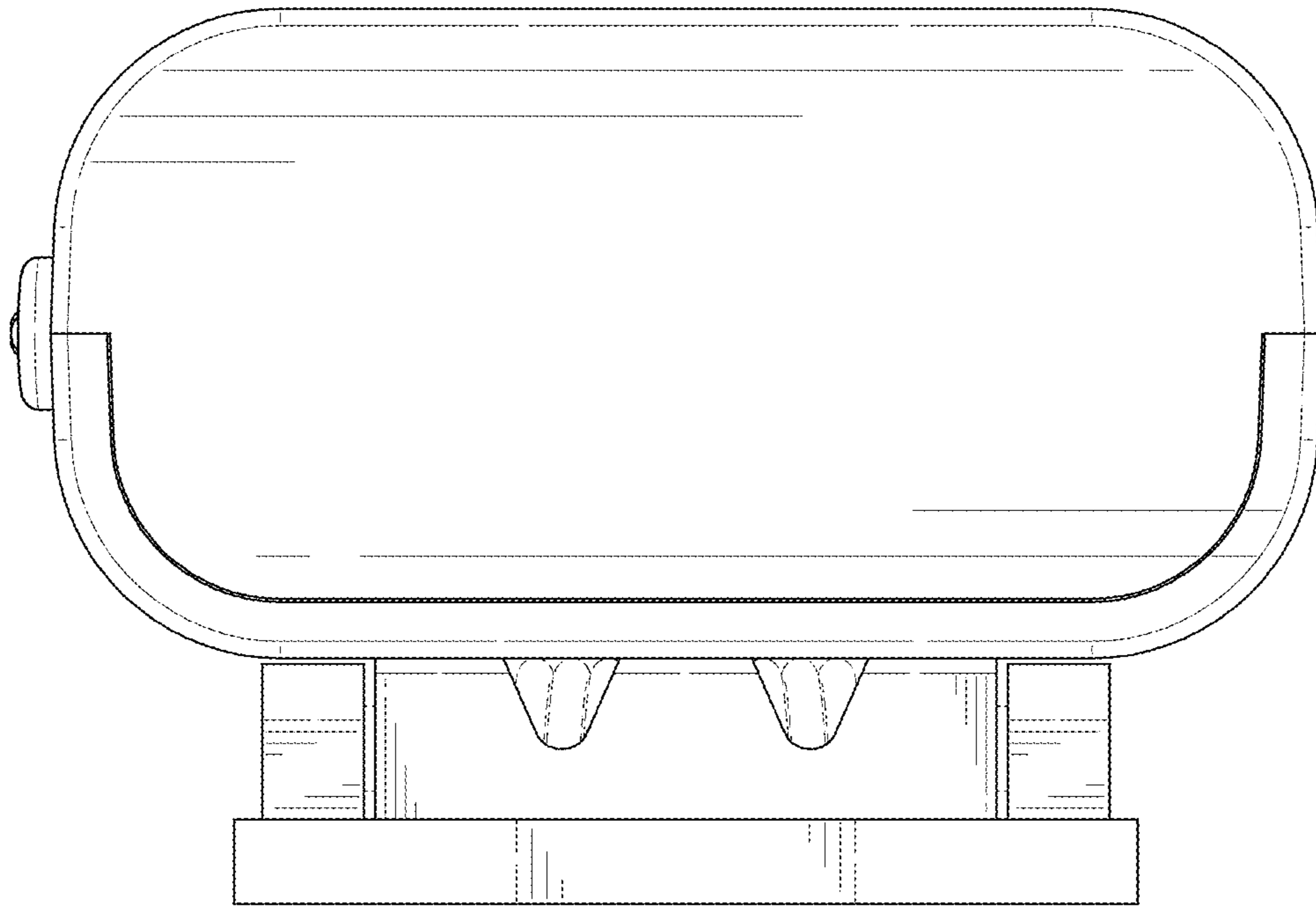


FIG. 8