



US00D935489S

(12) **United States Design Patent**
Xu

(10) **Patent No.:** **US D935,489 S**

(45) **Date of Patent:** **** Nov. 9, 2021**

(54) **AUTO INFLATOR PUMP**

(71) Applicant: **Xiaohu Xu, Yiyang (CN)**

(72) Inventor: **Xiaohu Xu, Yiyang (CN)**

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

(21) Appl. No.: **29/746,304**

(22) Filed: **Aug. 13, 2020**

(51) **LOC (13) Cl.** **15-02**

(52) **U.S. Cl.**
USPC **D15/7**

(58) **Field of Classification Search**
USPC D14/163, 165, 172, 203.3, 203.6, 209.1,
D14/214, 221, 497, 499, 509, 510;
D24/168, 186, 213; D15/7-9; D23/225,
D23/231, 232, 366, 356; D12/114
CPC F04B 53/14; F04B 53/92; F04B 33/00;
F04B 33/005; F04B 1/005; F04B 39/102;
F04D 13/06; F04D 29/22; F04D 29/046;
F04D 29/2266; F16K 11/048; F16K
15/20; F16K 31/602; F16L 37/18; F16L
37/20

See application file for complete search history.

(56) **References Cited**

U.S. PATENT DOCUMENTS

D277,474 S *	2/1985	Miura	.....	D14/165
D339,584 S *	9/1993	Miyai	.....	D14/499
D345,161 S *	3/1994	Murphy	.....	D14/165
D350,750 S *	9/1994	Oku	.....	D14/165
D368,937 S *	4/1996	Aker	.....	D14/165
D377,490 S *	1/1997	Zeitman	.....	D14/165
D511,491 S *	11/2005	Hriscu	.....	D13/107
D514,595 S *	2/2006	Chen	.....	D15/9
D515,065 S *	2/2006	Zeitman	.....	D14/165
D527,341 S *	8/2006	Krieger	.....	D13/107
D527,342 S *	8/2006	Krieger	.....	D13/107
D541,309 S *	4/2007	Wang	.....	D15/9
D554,583 S *	11/2007	Solland	.....	D13/108
D585,822 S *	2/2009	Hsu	.....	D13/107

D600,814 S *	9/2009	Lathrop	.....	D24/186
D604,200 S *	11/2009	Fassold	.....	D11/221
D606,096 S *	12/2009	Bui	.....	D14/168
D611,962 S *	3/2010	Schneider	.....	D15/9
D620,500 S *	7/2010	Brandt	.....	D15/9
D675,741 S *	2/2013	Anderson	.....	D24/186
D679,291 S *	4/2013	Ohm	.....	D15/7
D707,719 S *	6/2014	Kamijyo	.....	D15/7
D806,133 S *	12/2017	Costle	.....	D15/9
D832,889 S *	11/2018	Zheng	.....

(Continued)

OTHER PUBLICATIONS

Kensun, Durable Easy-to-Operate Dual Power Portable Tire Inflator, (first available Dec. 24, 2019), Amazon.com, URL:<<https://www.amazon.com/Kensun-Operate-Portable-Compressor-Cigarette-dp/B0833DZQPN>> (Year: 2019).*

(Continued)

Primary Examiner — Sheryl Lane
Assistant Examiner — Mark T. Philipps

(57) **CLAIM**

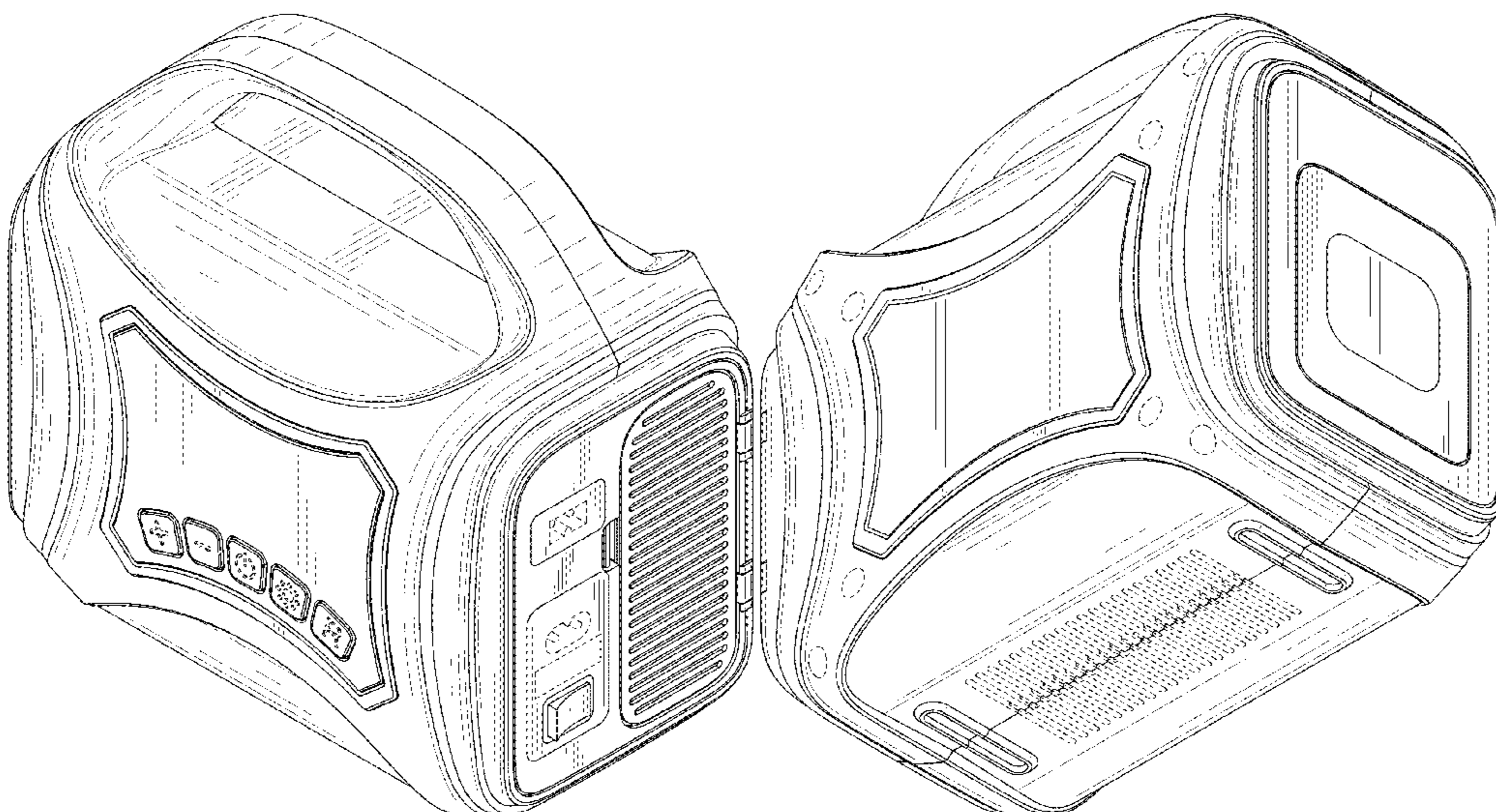
The ornamental design for an auto inflator pump, as shown and described.

DESCRIPTION

FIG. 1 is a first perspective view of an auto inflator pump showing my new design;
FIG. 2 is a second perspective view thereof;
FIG. 3 is a front view thereof;
FIG. 4 is a back view thereof;
FIG. 5 is a left side view thereof;
FIG. 6 is a right side view thereof;
FIG. 7 is a top view thereof; and,
FIG. 8 is a bottom view thereof.

The broken lines shown in the drawings depict portions of the auto inflator pump in which the design is embodied that form no part of the claimed design.

1 Claim, 8 Drawing Sheets



(56)

References Cited

U.S. PATENT DOCUMENTS

D838,746 S * 1/2019 Gan D15/7
D838,747 S 1/2019 Gan
D838,748 S 1/2019 Gan
D854,496 S * 7/2019 Yin D13/108
D864,254 S * 10/2019 Zhang D15/9
D874,397 S * 2/2020 Sun D13/107
D874,398 S * 2/2020 Sun D13/107
D886,732 S * 6/2020 Inskeep D13/107
D890,812 S * 7/2020 Benedetti D14/497
D898,771 S * 10/2020 You D14/497
D904,461 S * 12/2020 Konantambigi D15/7

OTHER PUBLICATIONS

Jess Walters, Best Portable Kids CD Players for 2020, (posted Mar. 30, 2019), Toptenbestlists.com, URL:<<https://toptenbestlists.com/cd-player-for-kids/>> (Year: 2019).*

iOn audio, Mustang Stereo, (first available Jun. 25, 2018), Amazon.com, URL:<<https://www.amazon.ca/Audio-Mustang-Stereo-Boombox-Bluetooth/dp/B07KMKVC4G>> (Year: 2018).*

* cited by examiner

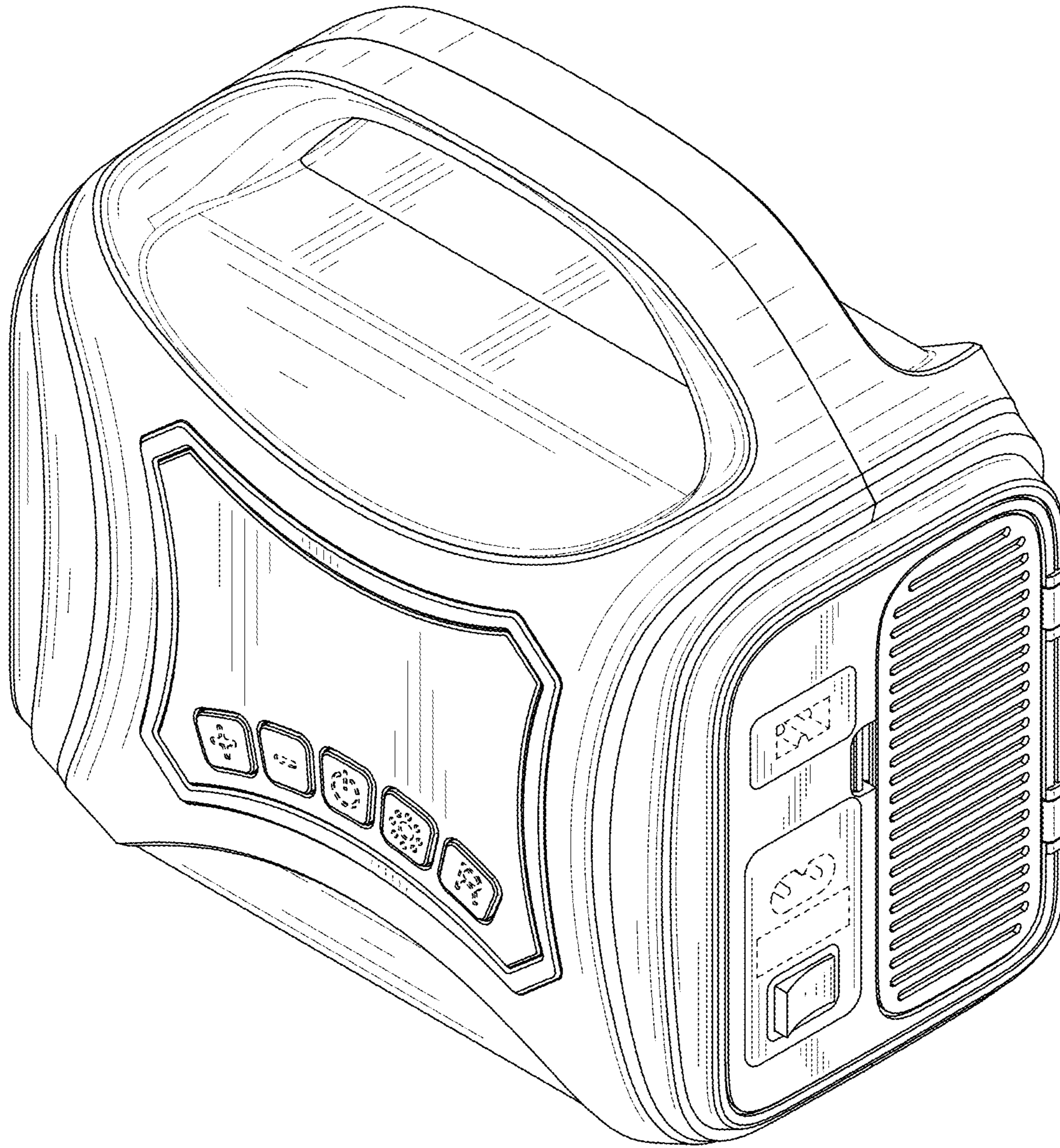


FIG. 1

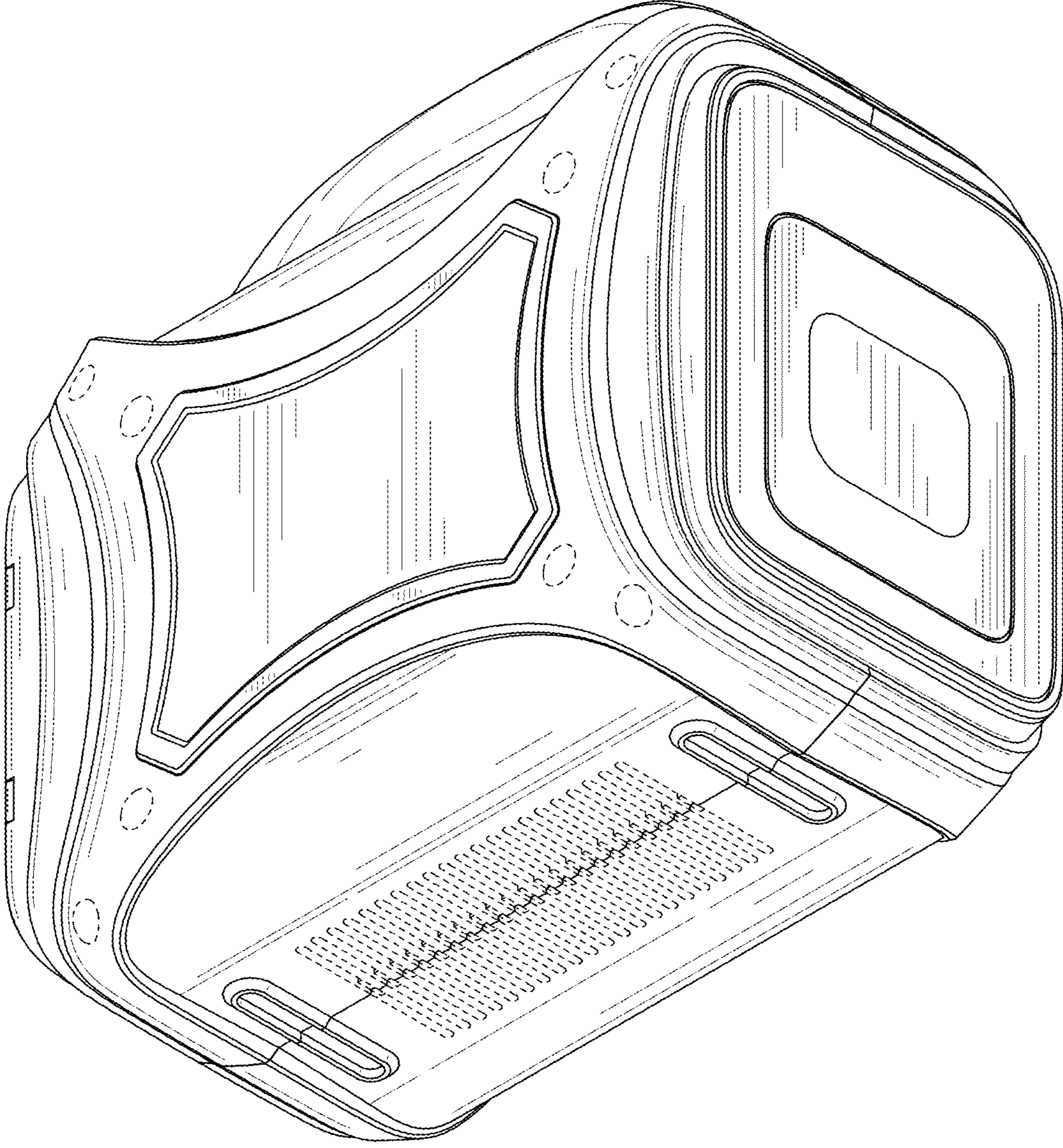


FIG. 2

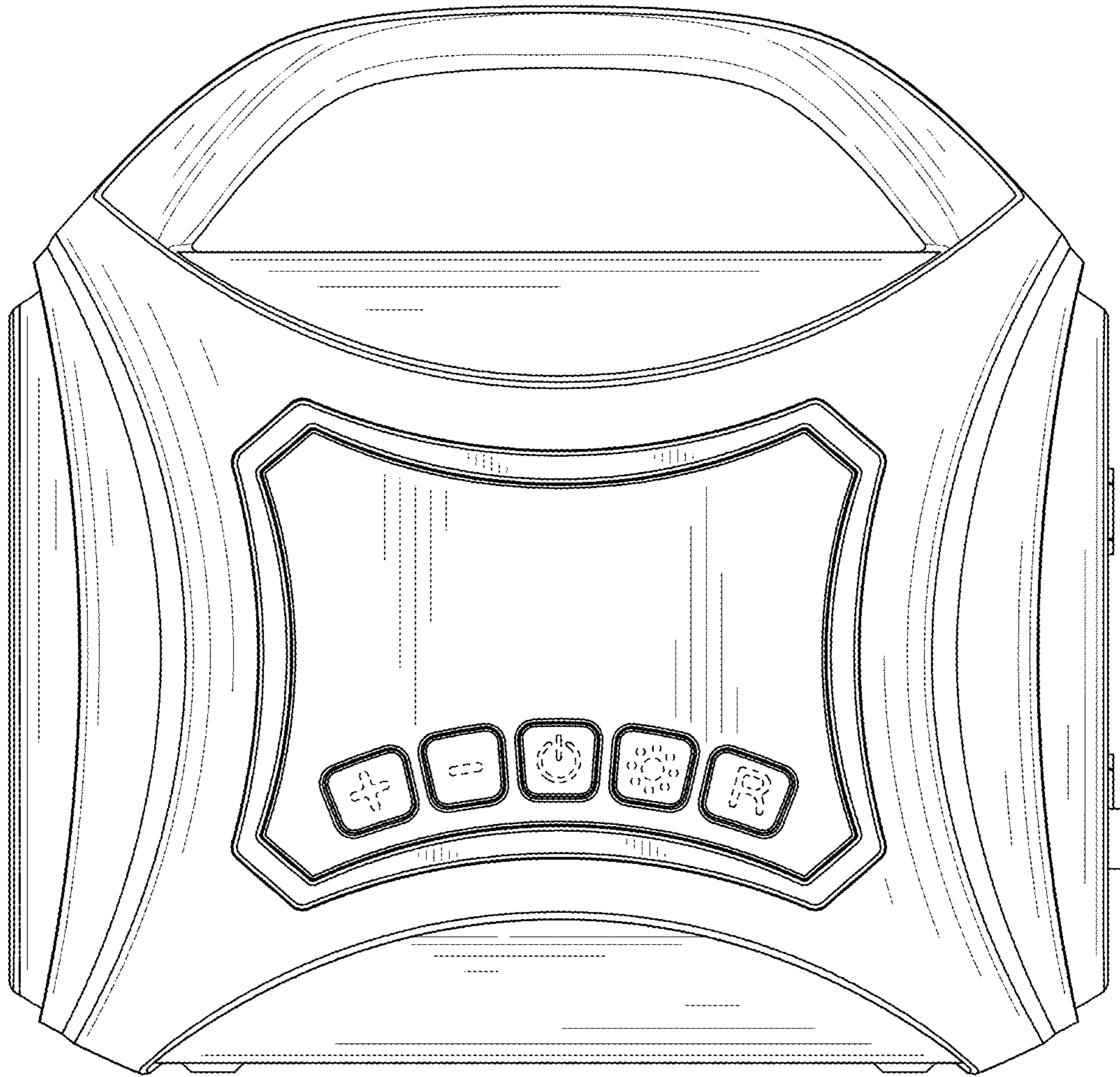


FIG. 3

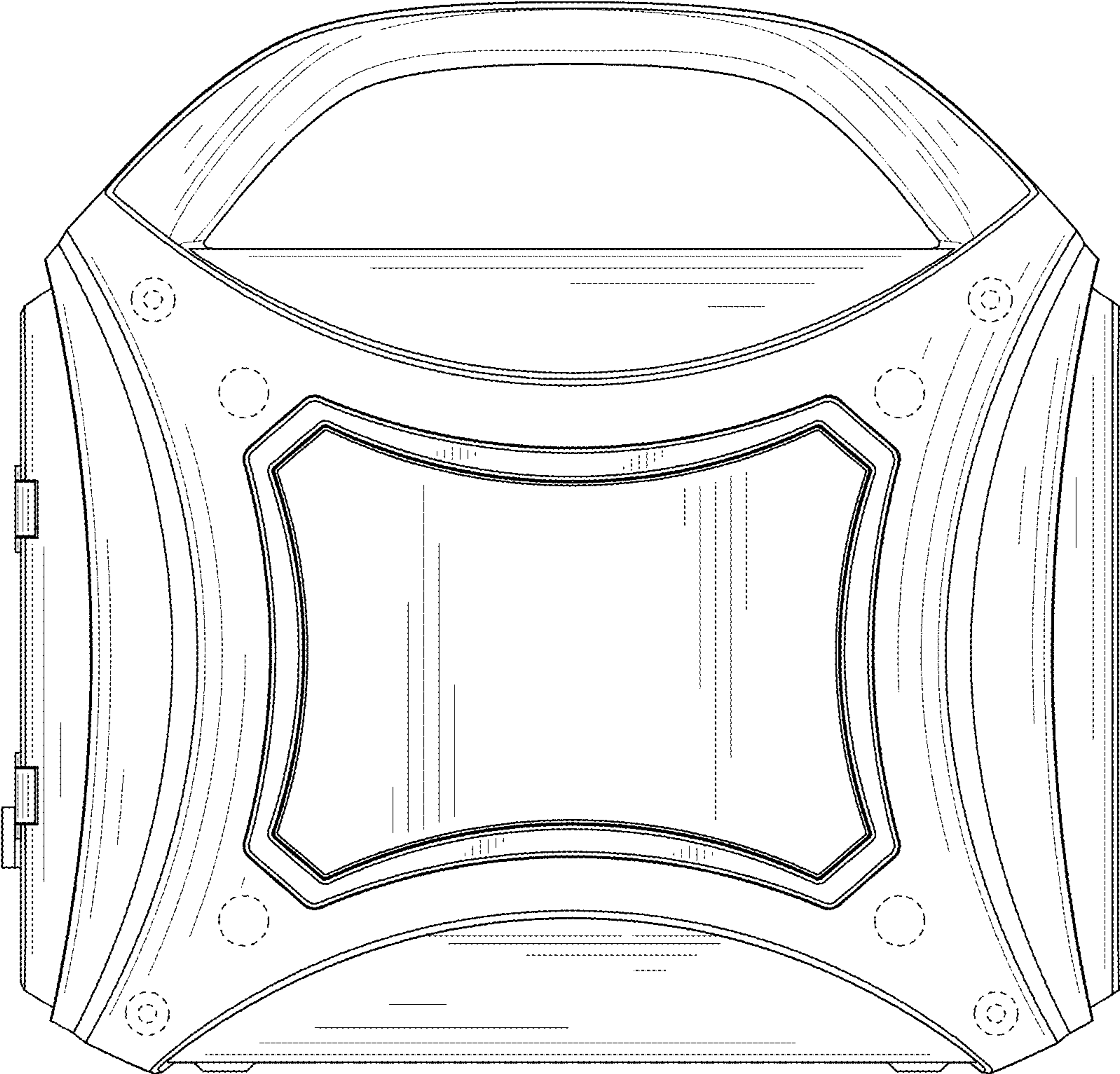


FIG. 4

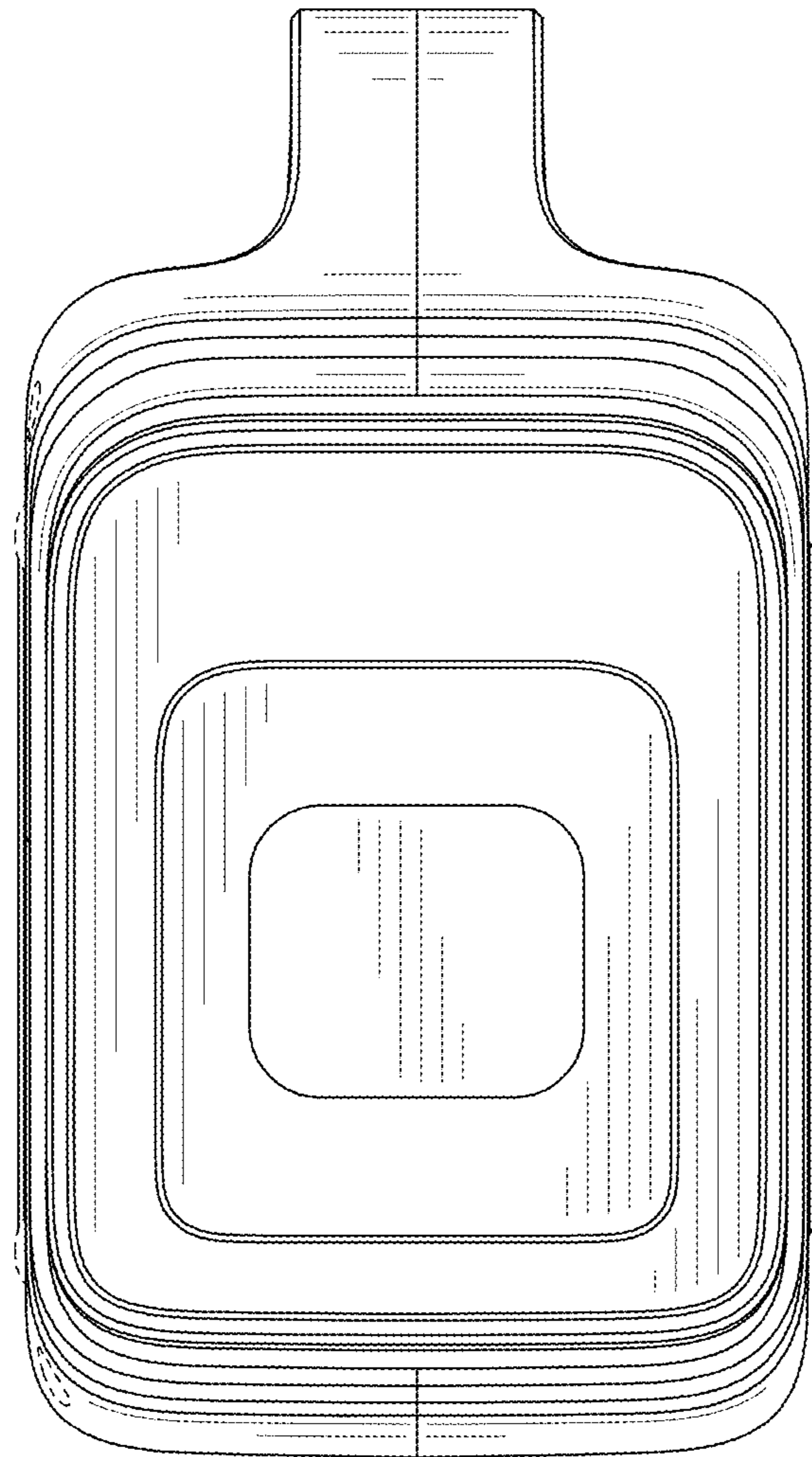


FIG. 5

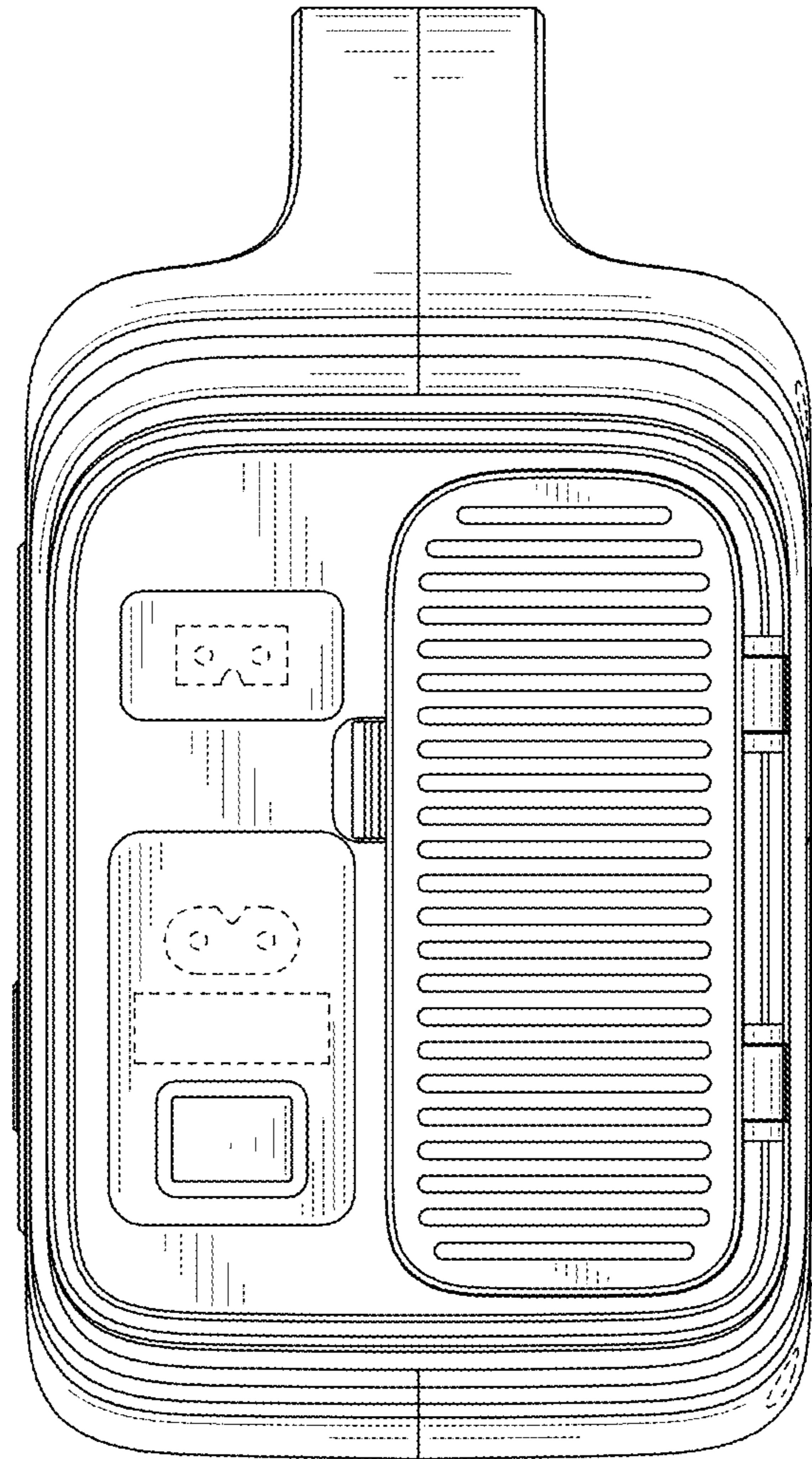


FIG. 6

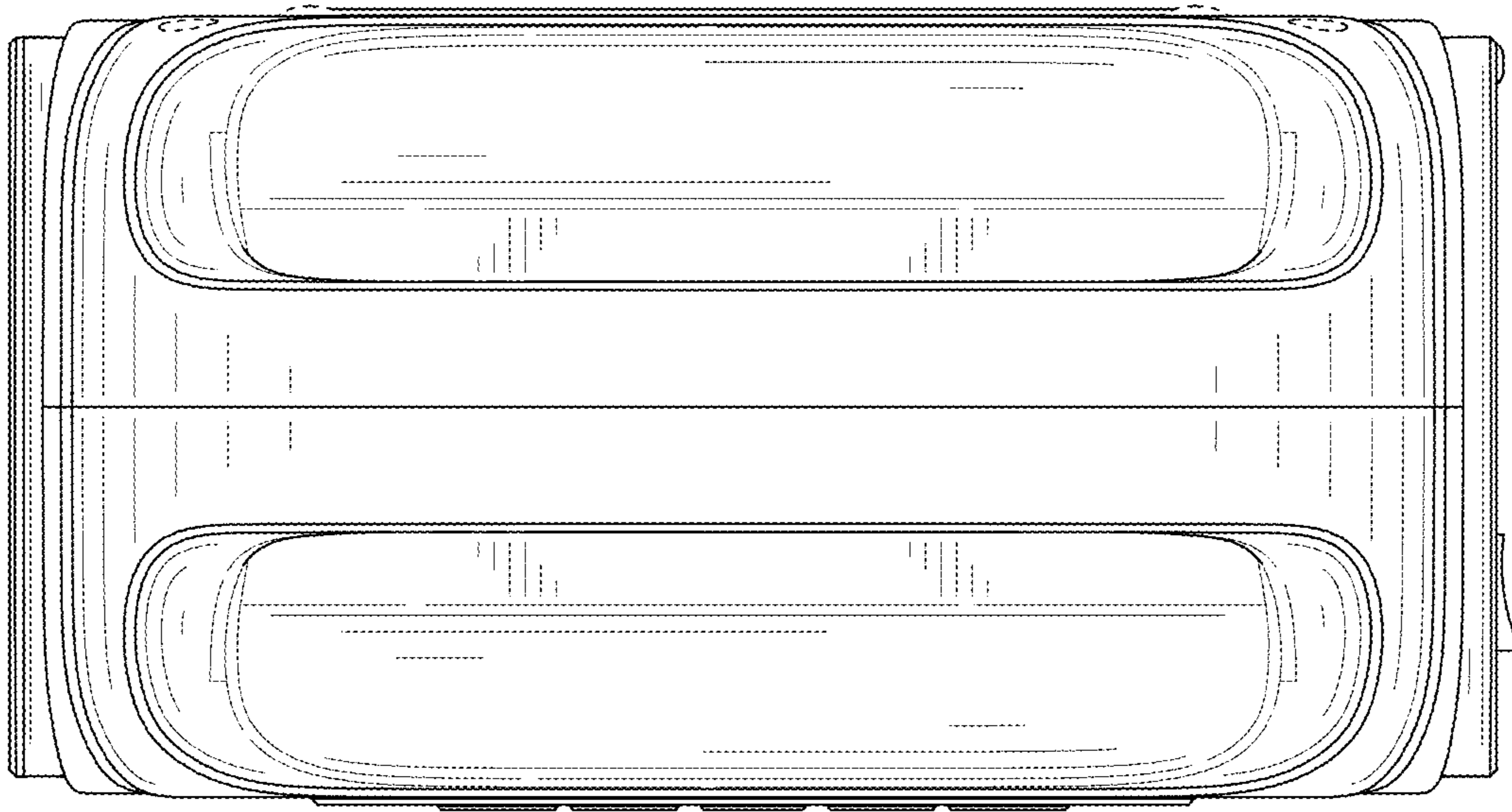


FIG. 7

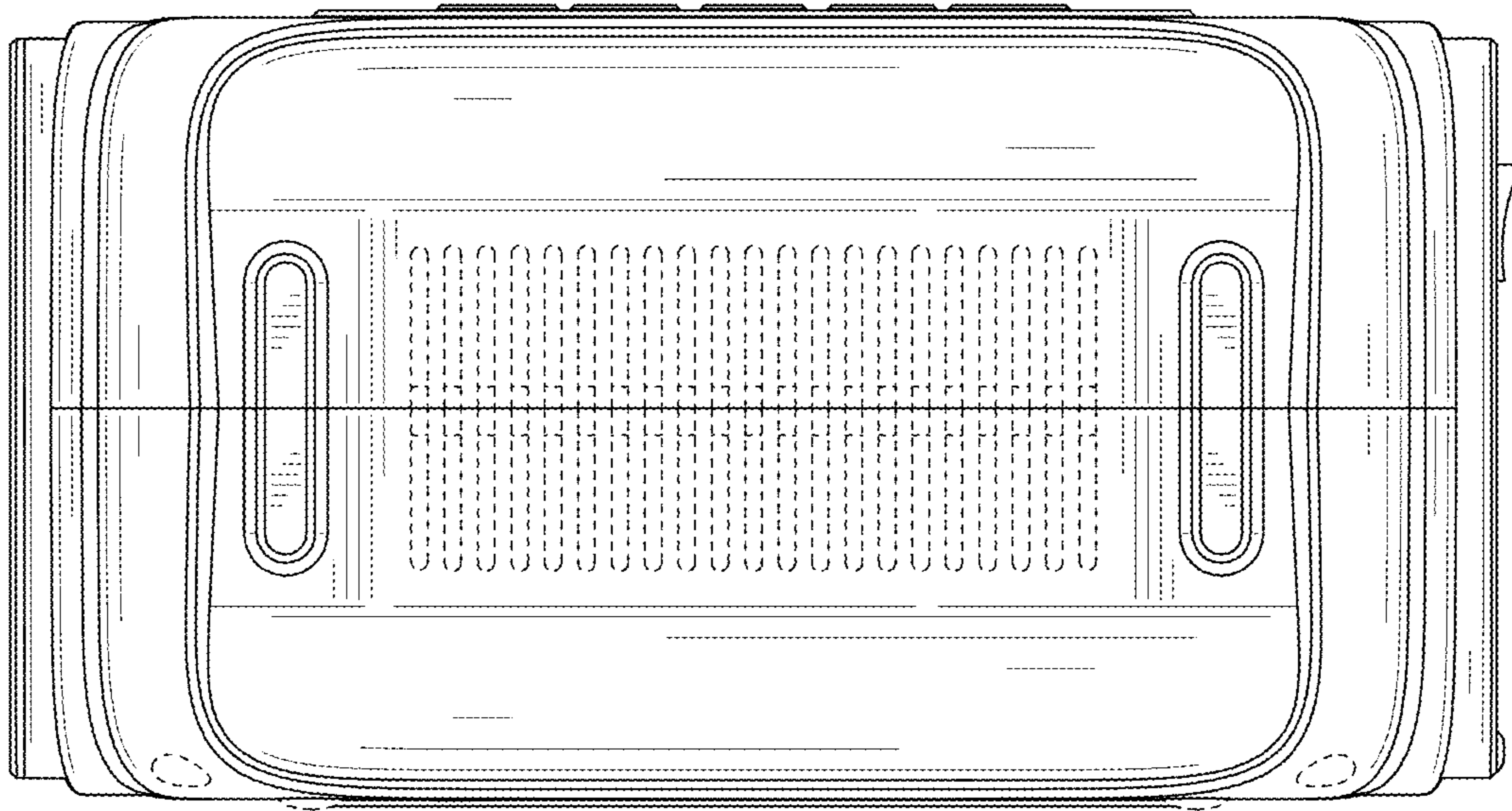


FIG. 8