



US00D986298S

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

(10) **Patent No.:** **US D986,298 S**

(45) **Date of Patent:** **\*\* May 16, 2023**

(54) **PORTABLE REFRIGERATOR**

(71) Applicant: **ACOSOLAR INC.**, Walnut, CA (US)

(72) Inventor: **Longhua Tang**, Walnut, CA (US)

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

(21) Appl. No.: **29/785,428**

(22) Filed: **May 25, 2021**

(51) **LOC (14) Cl.** ..... **15-07**

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

USPC ..... **D15/79**; D15/81; D15/83

(58) **Field of Classification Search**

USPC ..... D15/79, 81, 83

CPC ..... F25D 11/00; F25D 11/003; F25D 3/00;

F25D 3/06; F25D 3/08; F25D 2400/10;

F25D 2400/12; F25D 2331/804

See application file for complete search history.

(56) **References Cited**

**U.S. PATENT DOCUMENTS**

D328,689 S *	8/1992	Riskowski	.....	D15/83
D352,420 S *	11/1994	Costello	.....	D7/323
D548,249 S *	8/2007	Okamoto	.....	D15/84
D558,239 S *	12/2007	Takemoto	.....	D15/79
D750,140 S *	2/2016	Cross	.....	D15/81
D802,028 S *	11/2017	Li	.....	D15/81
D802,029 S *	11/2017	Li	.....	D15/81
D802,630 S *	11/2017	Li	.....	D15/81
D851,138 S *	6/2019	Murobayashi	.....	D15/81
D880,540 S *	4/2020	Xie	.....	D15/83
10,641,538 B1 *	5/2020	Tang	.....	F25B 27/00
D898,083 S *	10/2020	Yao	.....	D15/79
D905,129 S *	12/2020	Deng	.....	D15/81
D906,377 S *	12/2020	Tang	.....	D15/79
D909,432 S *	2/2021	Xu	.....	D15/79
D916,144 S *	4/2021	Deng	.....	D15/79
D922,454 S *	6/2021	Tang	.....	D15/79
11,072,484 B1 *	7/2021	Silva	.....	B65D 43/16
D929,471 S *	8/2021	Meda	.....	D15/79

D937,328 S *	11/2021	Tang	.....	D15/79
D939,434 S *	12/2021	Tang	.....	D13/103
D944,299 S *	2/2022	Astle	.....	D15/79
D946,635 S *	3/2022	Deng	.....	D15/79
D948,292 S *	4/2022	Deng	.....	D7/605
D952,701 S *	5/2022	Shi	.....	D15/83
D954,764 S *	6/2022	Meda	.....	D15/79
D958,201 S *	7/2022	Zhao	.....	D15/79
D958,203 S *	7/2022	Tang	.....	D15/83

(Continued)

*Primary Examiner* — Calvin E Vansant

*Assistant Examiner* — Eidiol Ghigliotty Torres

(74) *Attorney, Agent, or Firm* — Tsz Lung Yeung

(57) **CLAIM**

The ornamental design for a portable refrigerator, as shown and described.

**DESCRIPTION**

FIG. 1 is a perspective view of a portable refrigerator showing my new design;

FIG. 2 is a front view thereof;

FIG. 3 is a rear view thereof;

FIG. 4 is a left side view thereof;

FIG. 5 is a right side view thereof;

FIG. 6 is a top view thereof;

FIG. 7 is a bottom view thereof;

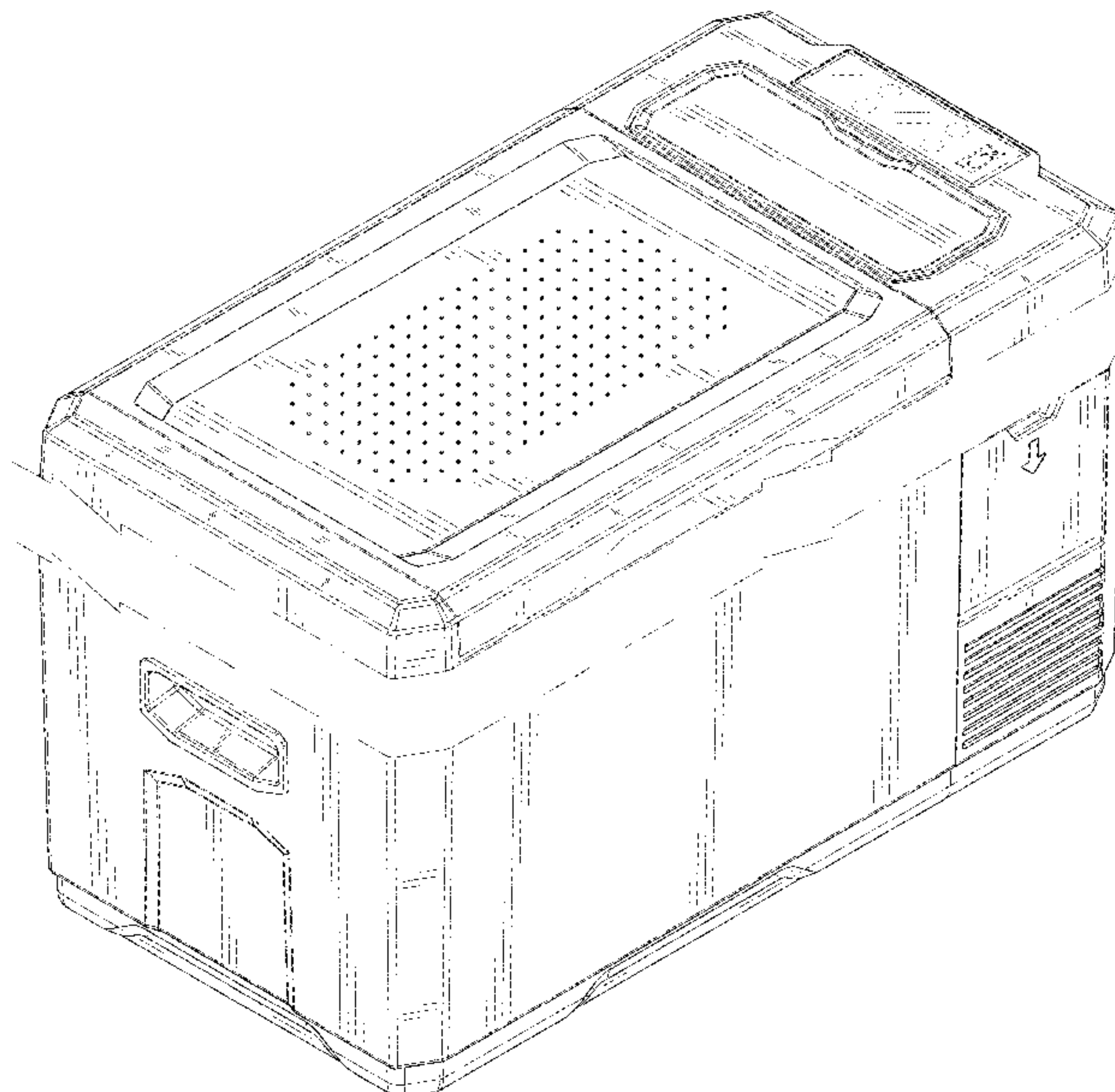
FIG. 8 is a perspective view thereof, showing the cup holder cover in an open position;

FIG. 9 is a perspective view thereof, shown in a small-size in-use condition; and,

FIG. 10 is a perspective view thereof, shown in a medium-size in-use condition.

The portable refrigerator is shown with a symbolic break in its length. The appearance of any portion of the portable refrigerator between the break lines forms no part of the claimed design. The broken lines depict portions of the portable refrigerator that form no part of the claimed design.

**1 Claim, 10 Drawing Sheets**



(56)

**References Cited**

U.S. PATENT DOCUMENTS

D958,846	S	*	7/2022	Zhao	.....	D15/79
D960,940	S	*	8/2022	Deng	.....	D15/79
D961,629	S	*	8/2022	Zhao	.....	D15/79
D961,635	S	*	8/2022	Shi	.....	D15/83
D962,300	S	*	8/2022	Keetch	.....	D15/79
D963,706	S	*	9/2022	Deng	.....	D15/79
D963,707	S	*	9/2022	Zhang	.....	D15/79
D964,436	S	*	9/2022	Yang	.....	F25B 27/00 D15/83

\* cited by examiner

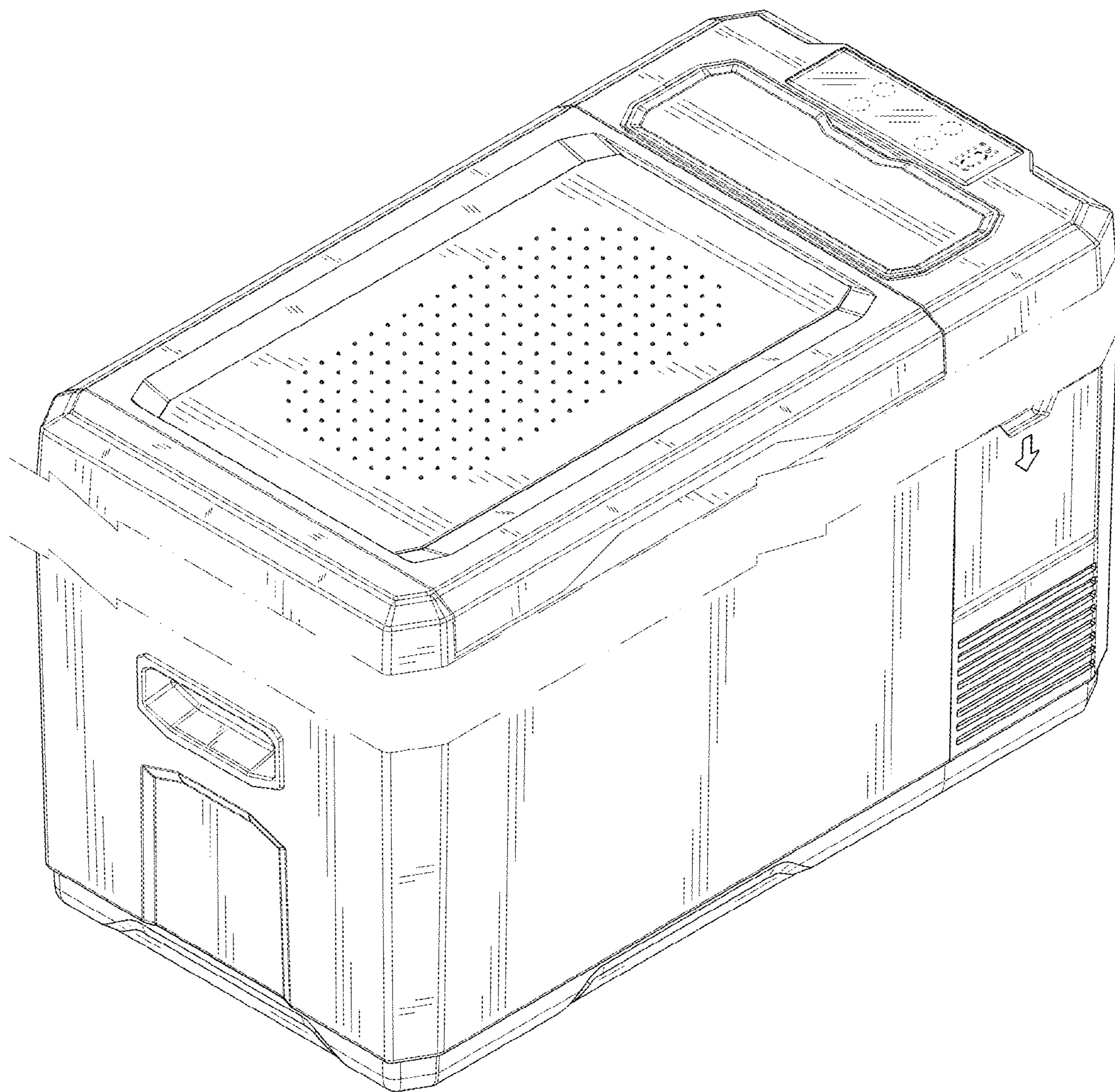


FIG. 1



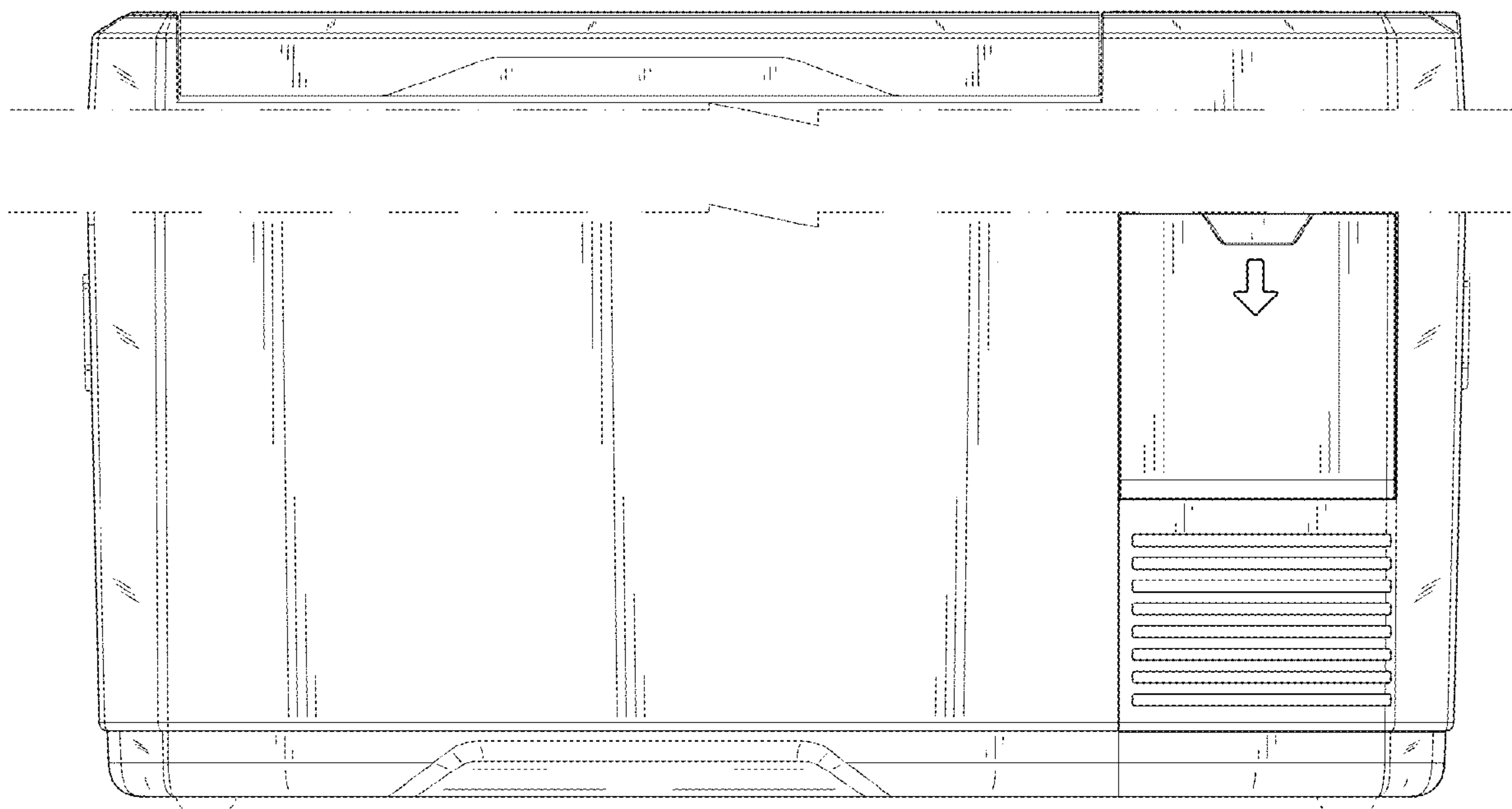


FIG. 2

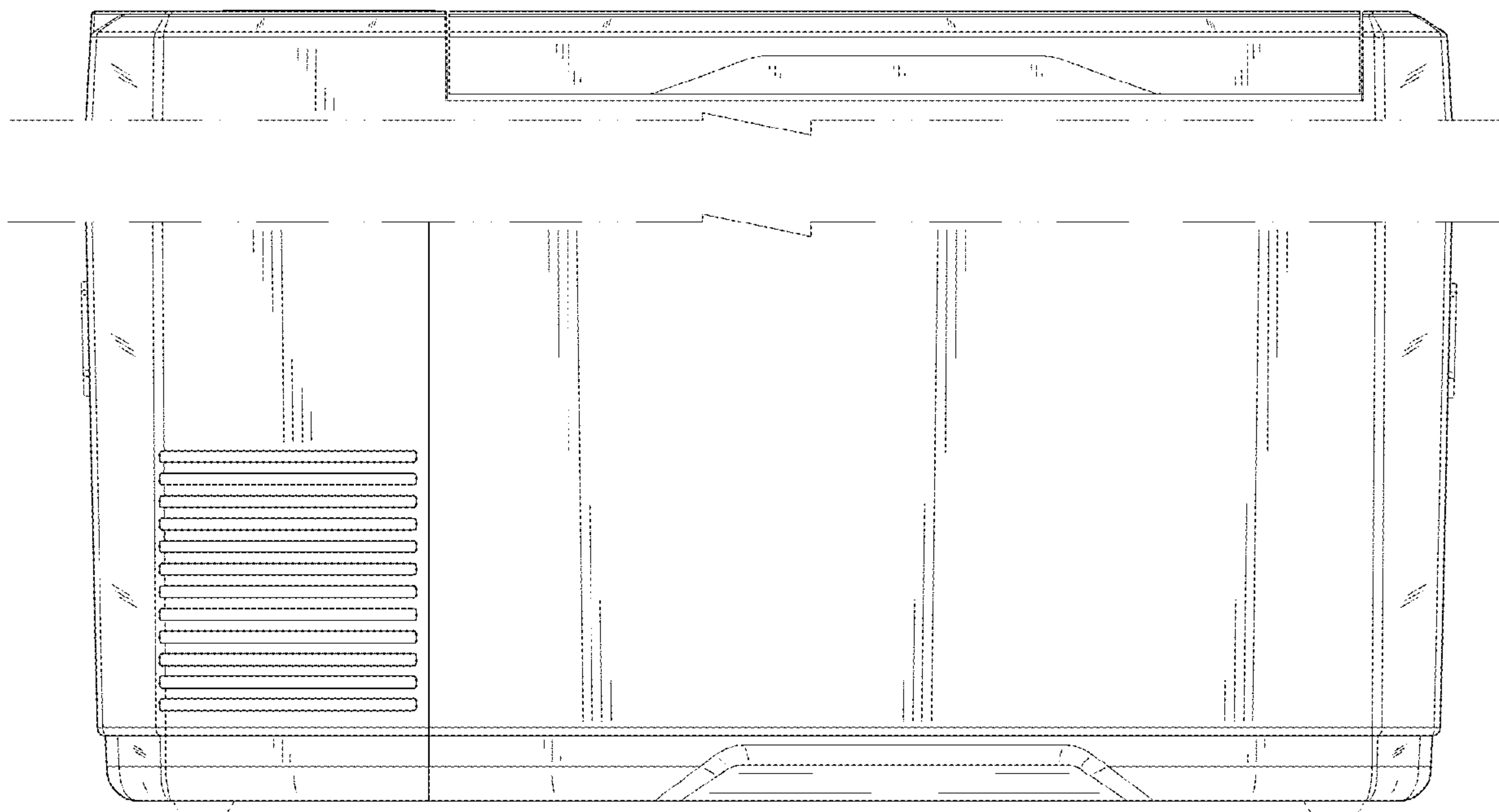


FIG. 3

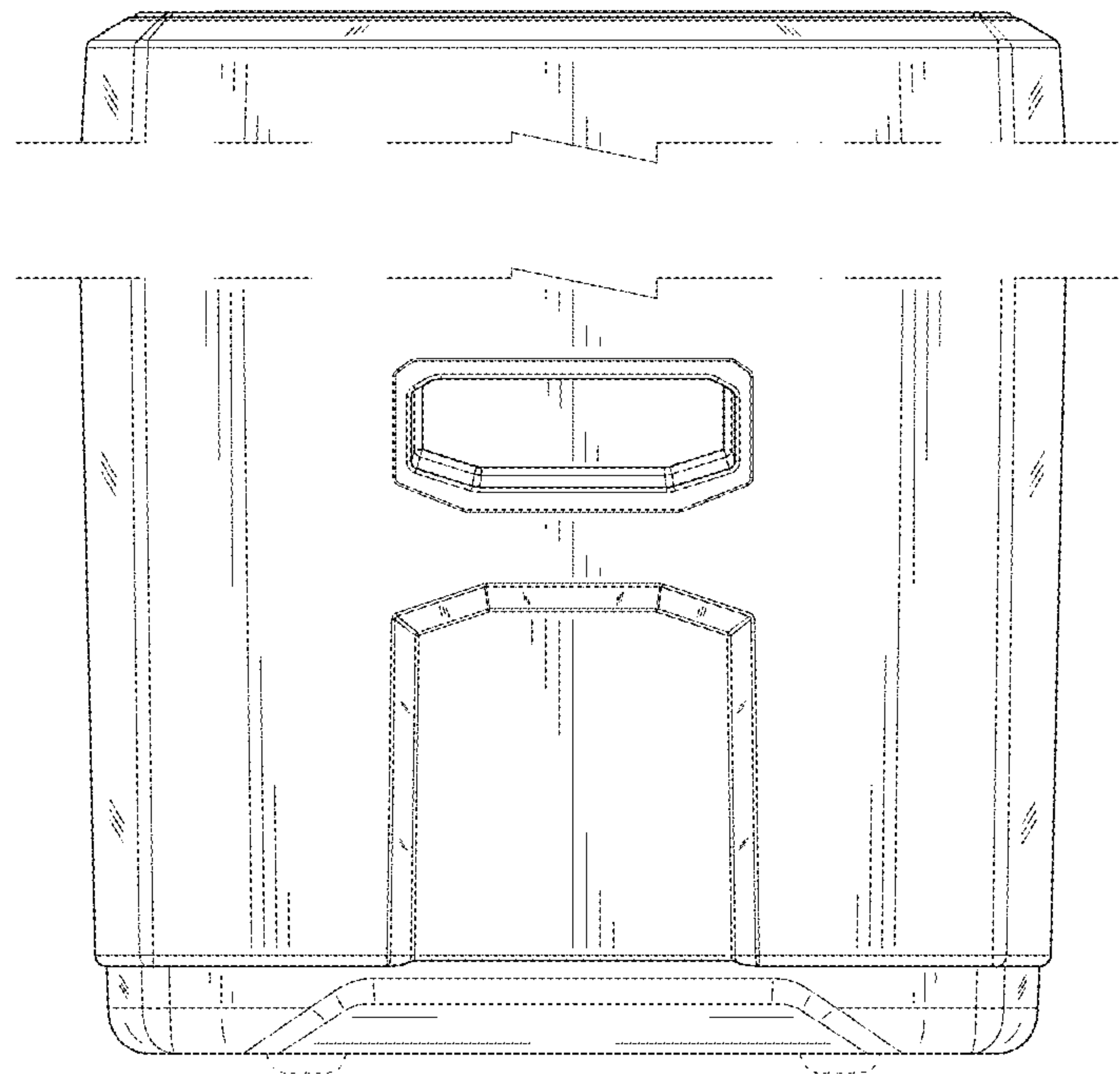


FIG. 4

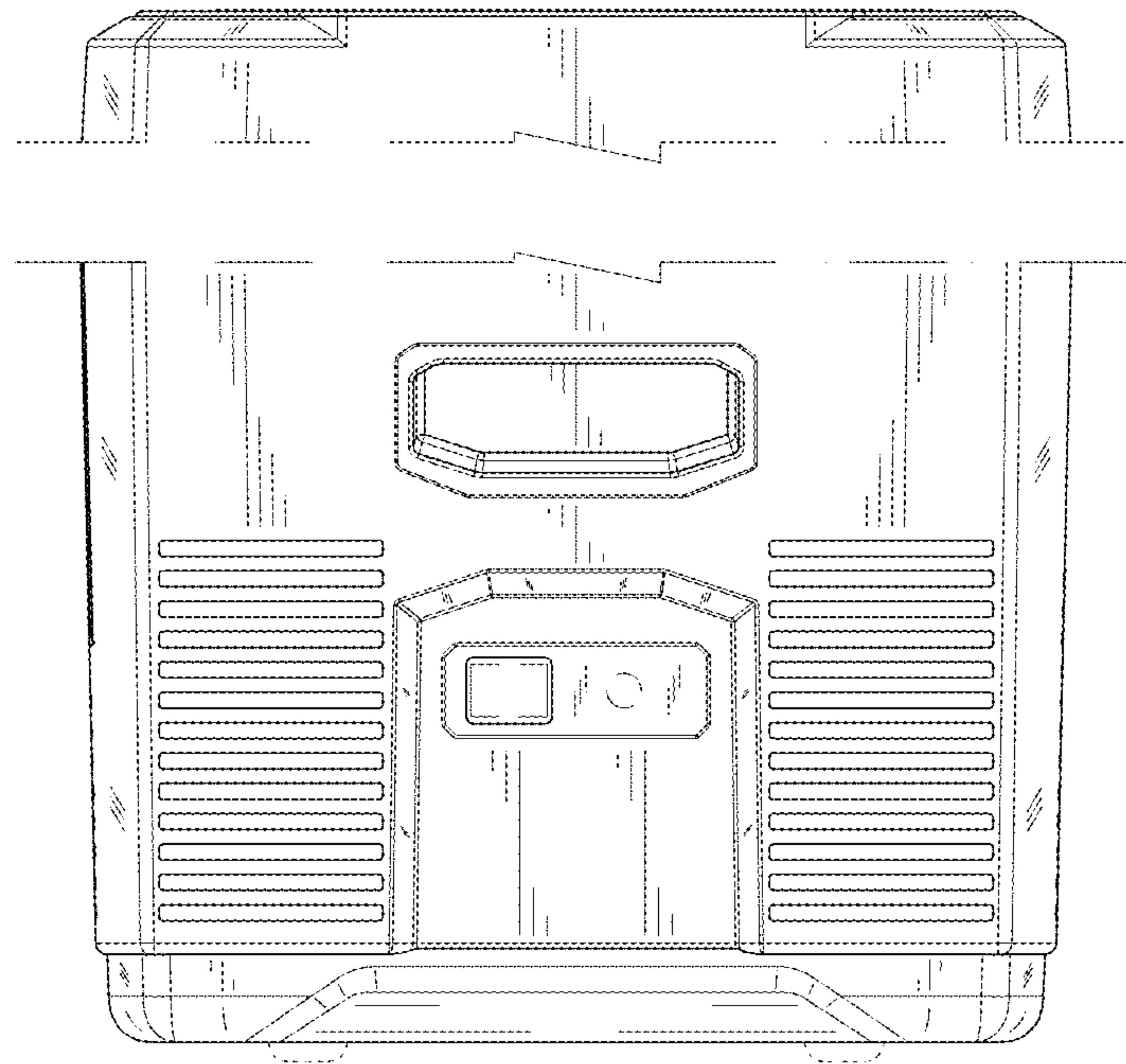


FIG. 5

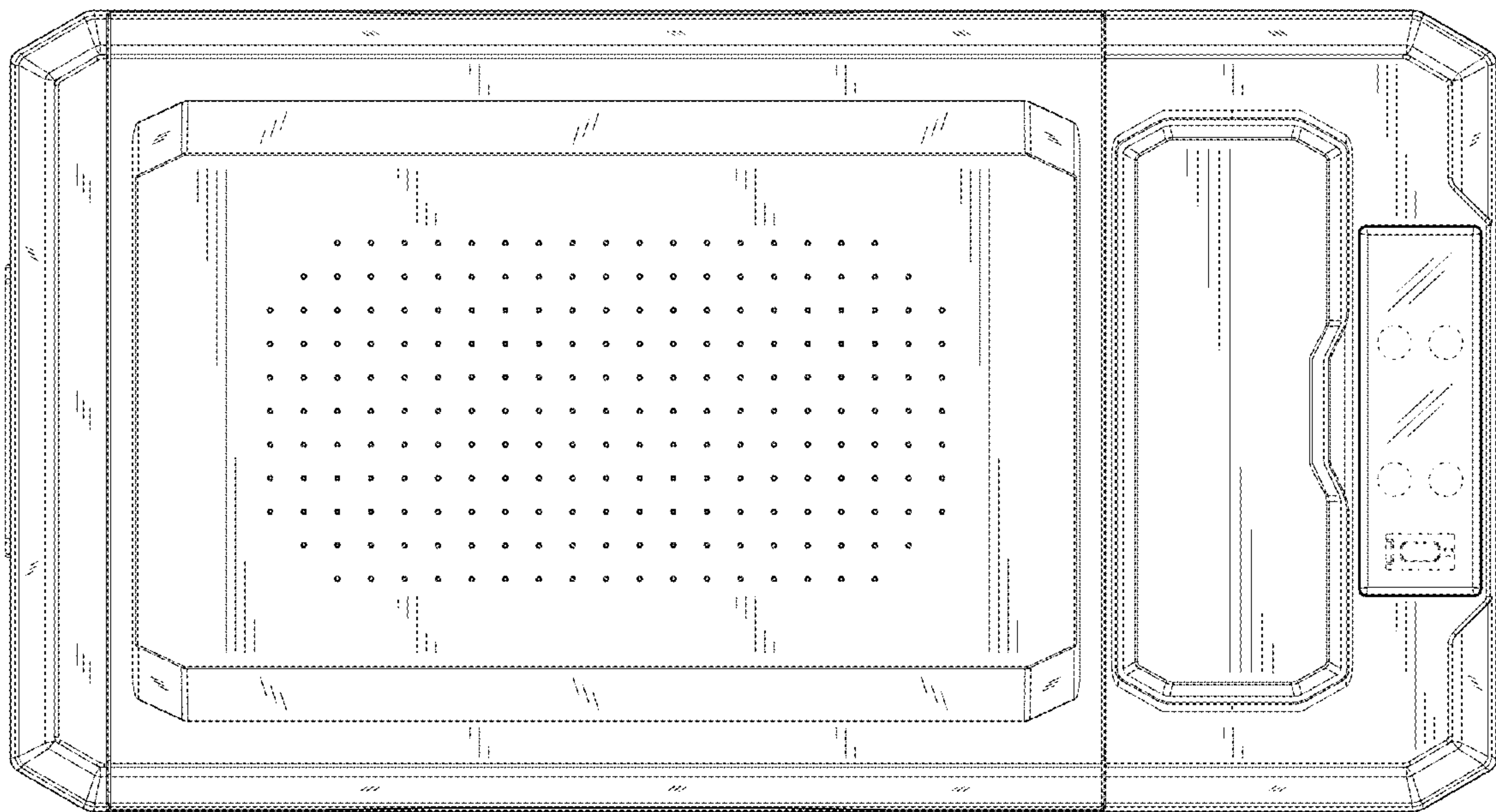


FIG. 6



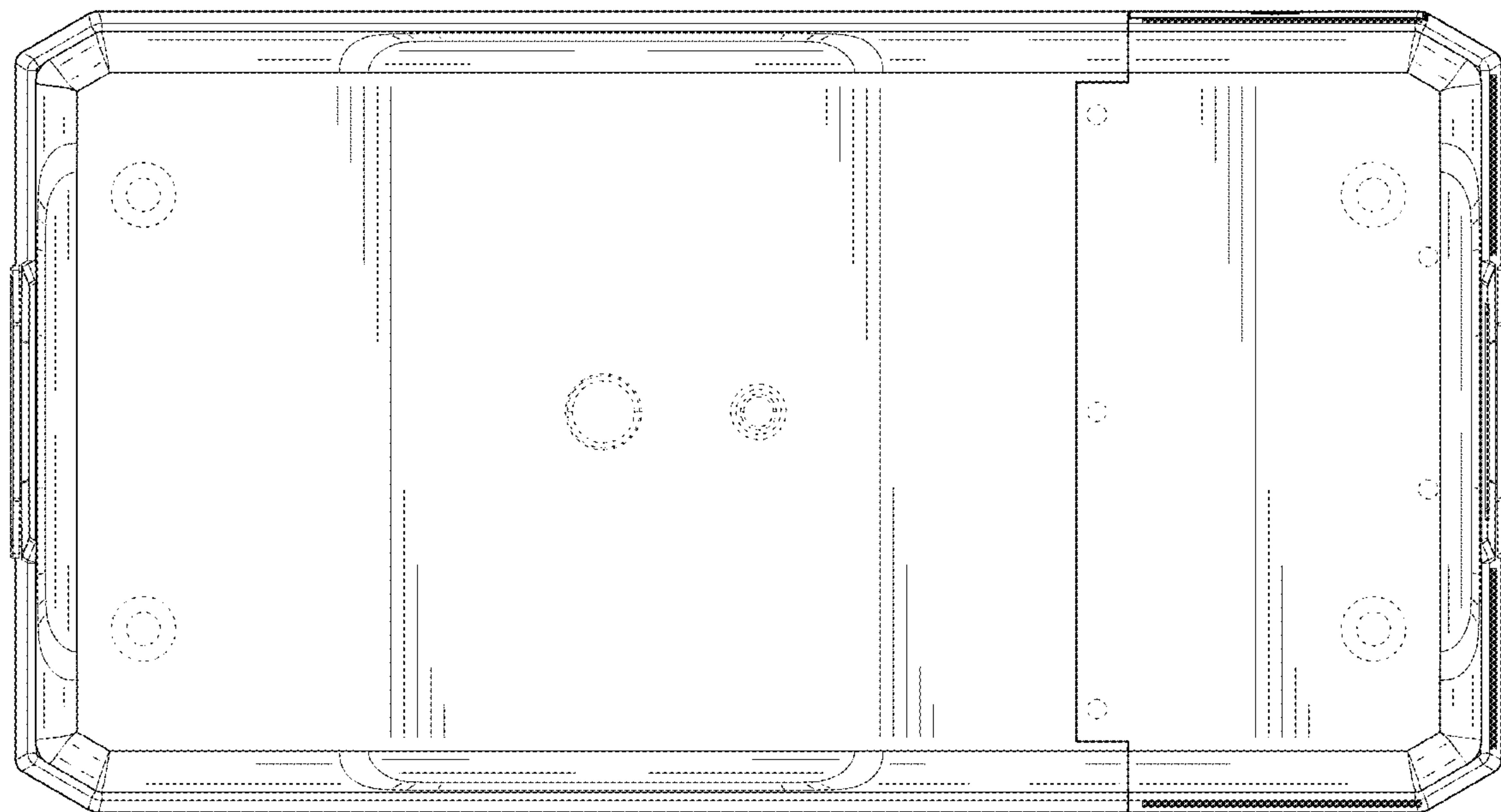


FIG. 7

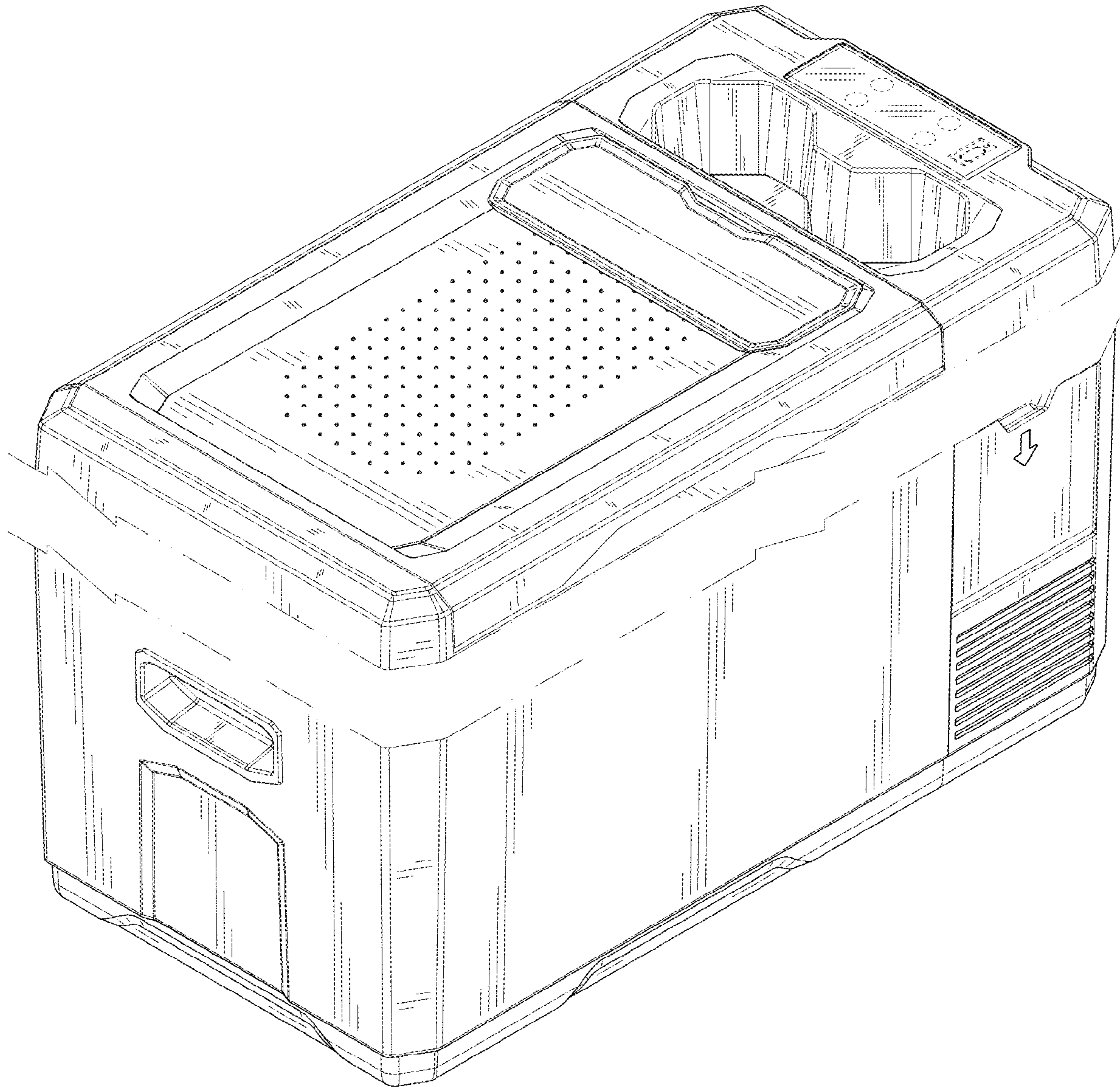


FIG. 8

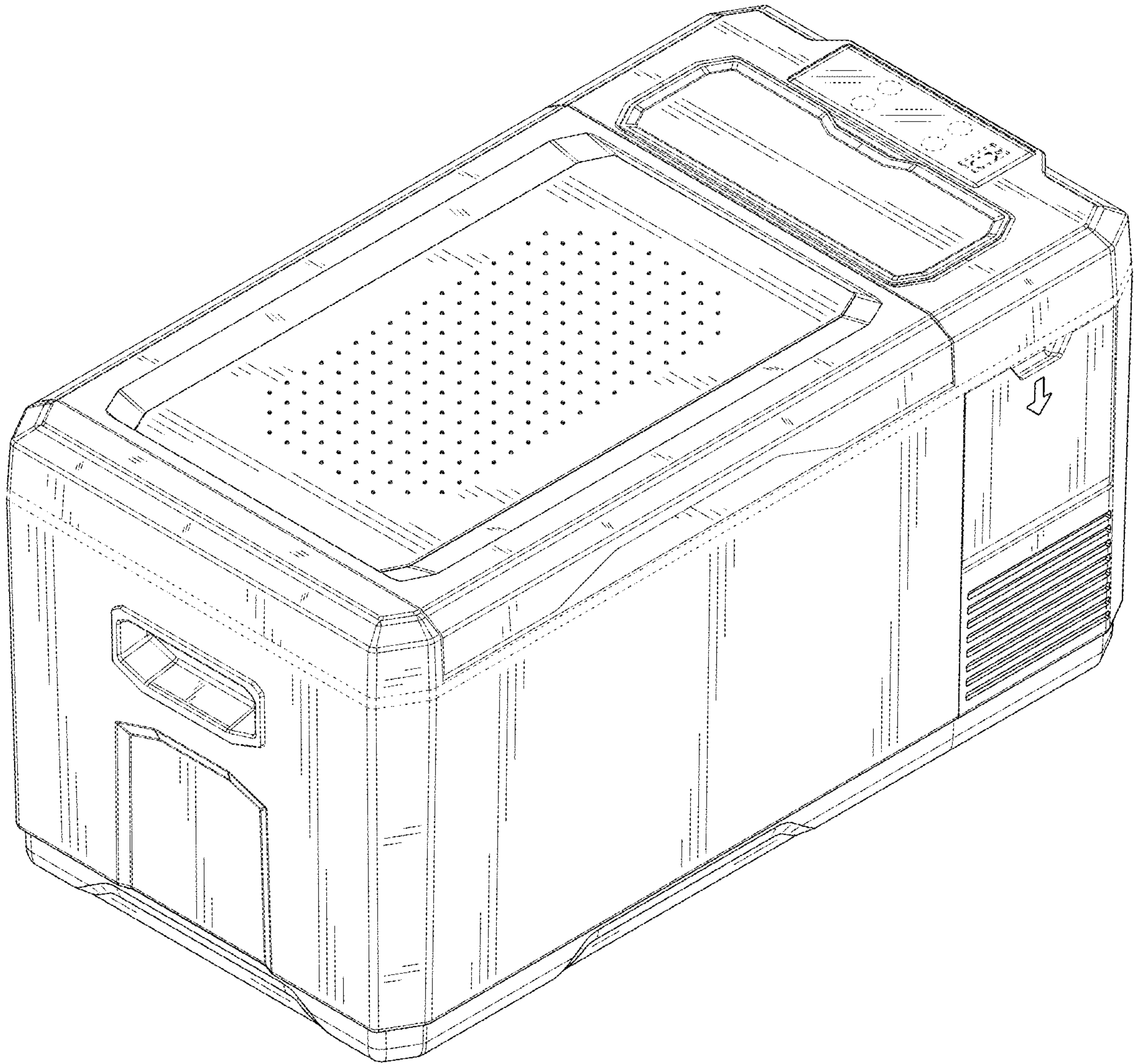


FIG. 9



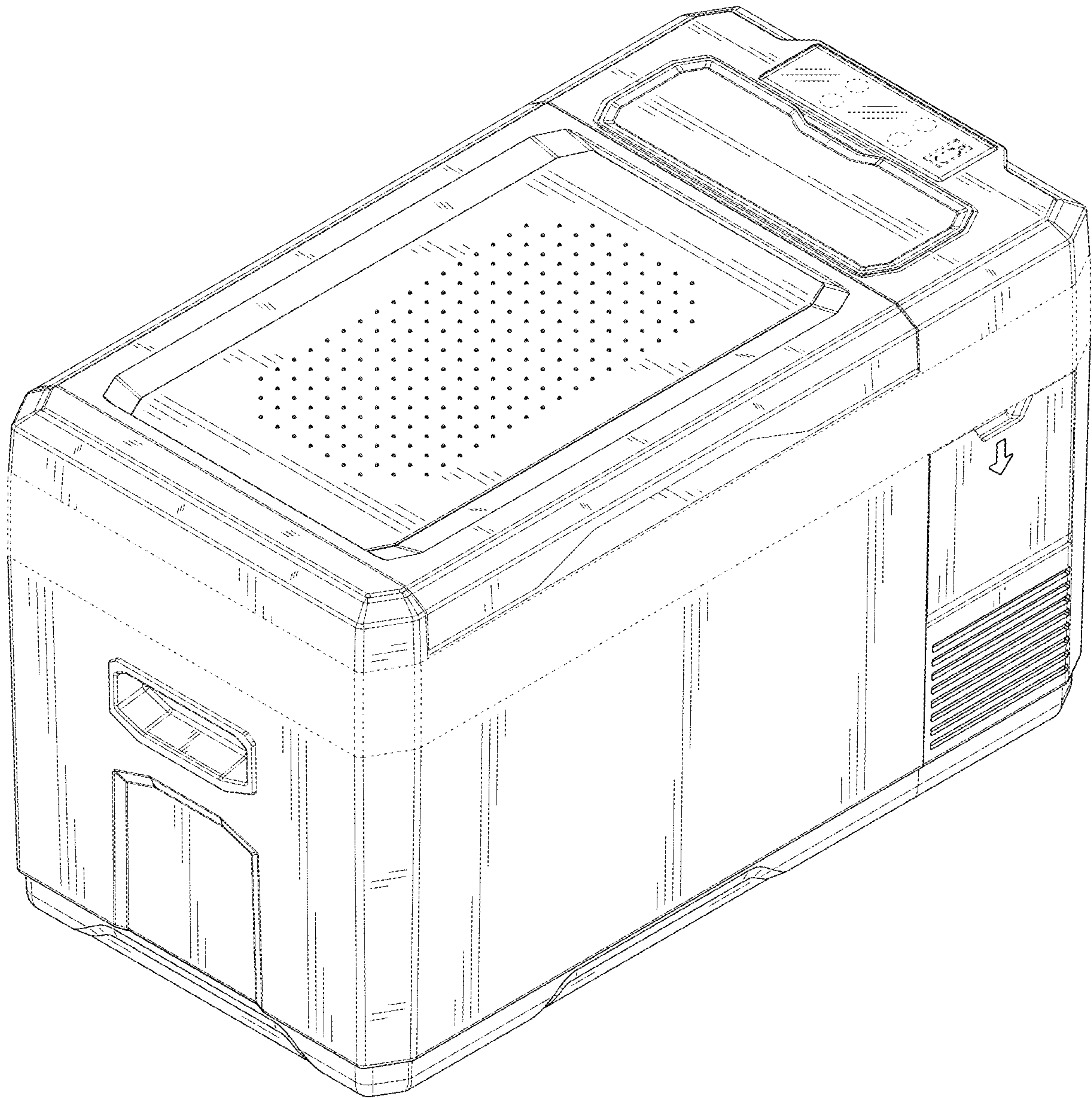


FIG. 10