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

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(54) **PORTABLE REFRIGERATOR**

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

(21) Appl. No.: **29/736,901**

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Related U.S. Application Data

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(51) **LOC (13) Cl.** **15-07**

(52) **U.S. Cl.**
USPC **D15/83**

(58) **Field of Classification Search**
USPC D15/79, 80, 81, 82, 83, 84, 85, 86, 87,
D15/88, 89, 90, 91; D6/657, 659;
D3/272, 273, 274, 304, 307; D14/214,
D14/242; D7/603, 604, 605, 607, 608
CPC F25C 2400/10; F25D 2400/10; F25D
2400/12; F25D 2400/14; F25D 2400/18;
G05B 2219/2654; G09F 23/0058; Y10S
292/71

See application file for complete search history.

(56) **References Cited**

U.S. PATENT DOCUMENTS

- 4,326,383 A * 4/1982 Reed F25B 21/02
62/3.62
- D328,221 S * 7/1992 Piccarillo 280/47.26
- D334,868 S * 4/1993 Lau Woon D14/161
- D429,606 S * 8/2000 Israel D7/605
- D480,276 S * 10/2003 Duart D7/605
- D497,783 S * 11/2004 Krieger D7/605
- D516,099 S * 2/2006 Maruyama D15/83
- 7,143,601 B1 * 12/2006 Jimenez F25D 23/12
62/457.7
- D547,617 S * 7/2007 Jones D7/605

- D651,859 S * 1/2012 Blake D7/605
- D674,245 S * 1/2013 Williams, Jr. D7/605
- D792,486 S * 7/2017 Li D15/81
- 9,726,424 B1 * 8/2017 Sandberg F21V 23/0414
- D802,630 S * 11/2017 Li D15/81
- D821,665 S * 6/2018 Bramwell D30/199
- D828,408 S * 9/2018 Huang D15/81
- D850,217 S * 6/2019 Kittel, III D7/605
- D860,646 S * 9/2019 Thompson D3/274
- D869,244 S * 12/2019 Ellison D7/605

(Continued)

OTHER PUBLICATIONS

“LiONCoolerX40A Battery Power Solar Fridge Freezer with Solar/AC/Car Rechargeable Battery, App Control, 6" Large Wheels” [online], ACOPOWER. [Product first available on Feb. 11, 2019], Retrieved from the Internet: <<https://www.amazon.com/LiONCooler-52-Quart-Charging-Compressor-XA-Replaceable/dp/B07NMHHKRR>>.*

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(57) **CLAIM**

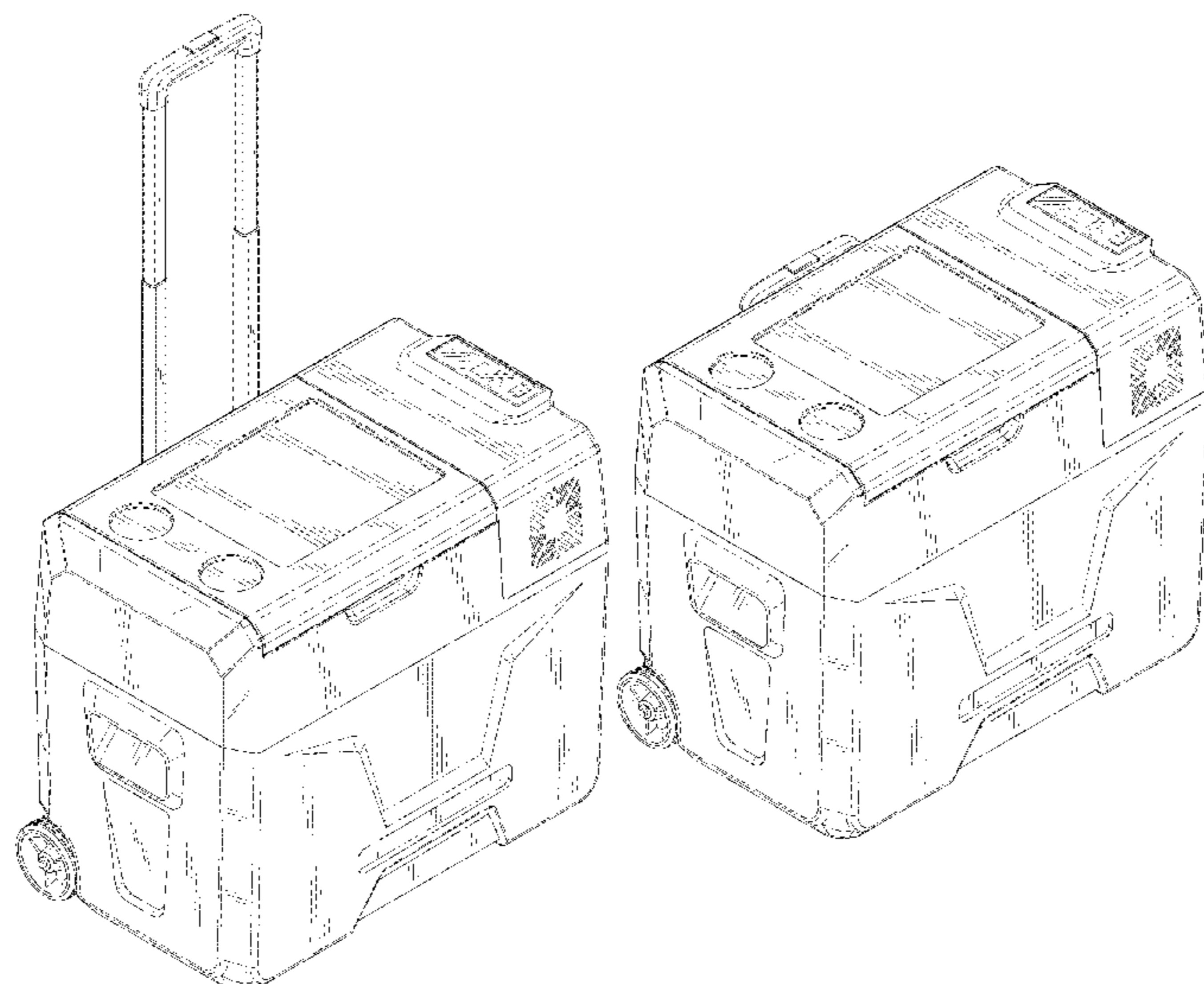
The ornamental design for a portable refrigerator, as shown and described.

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; and,
FIG. 8 is a perspective view thereof, showing the handle in retracted position.

The broken lines depict portions of the portable refrigerator that form no part of the claimed design.

1 Claim, 8 Drawing Sheets



(56)

References Cited

U.S. PATENT DOCUMENTS

D901,986 S * 11/2020 Meda D7/605
D905,129 S * 12/2020 Deng D15/81
D906,377 S * 12/2020 Tang D15/79
D922,148 S * 6/2021 Yang D7/605
D922,454 S * 6/2021 Tang D15/79
2005/0081558 A1 * 4/2005 Yoshida F25D 11/003
62/457.9
2008/0031483 A1 * 2/2008 Hill H04R 1/028
381/334
2017/0043800 A1 * 2/2017 Chaloux B62B 1/12
2017/0043906 A1 * 2/2017 Ravenscraft, Jr. B62B 1/10
2017/0183210 A1 * 6/2017 Wyatt B67D 1/0864
2018/0100682 A1 * 4/2018 Nilsen F25D 16/00
2018/0141718 A1 * 5/2018 Ahlstrom B65D 25/2841
2019/0128589 A1 * 5/2019 Adams F25D 17/06
2019/0308795 A1 * 10/2019 Juneau B65D 25/34
2020/0132356 A1 * 4/2020 Tang F25D 11/00
2021/0018250 A1 * 1/2021 Tang F25B 27/00

* cited by examiner

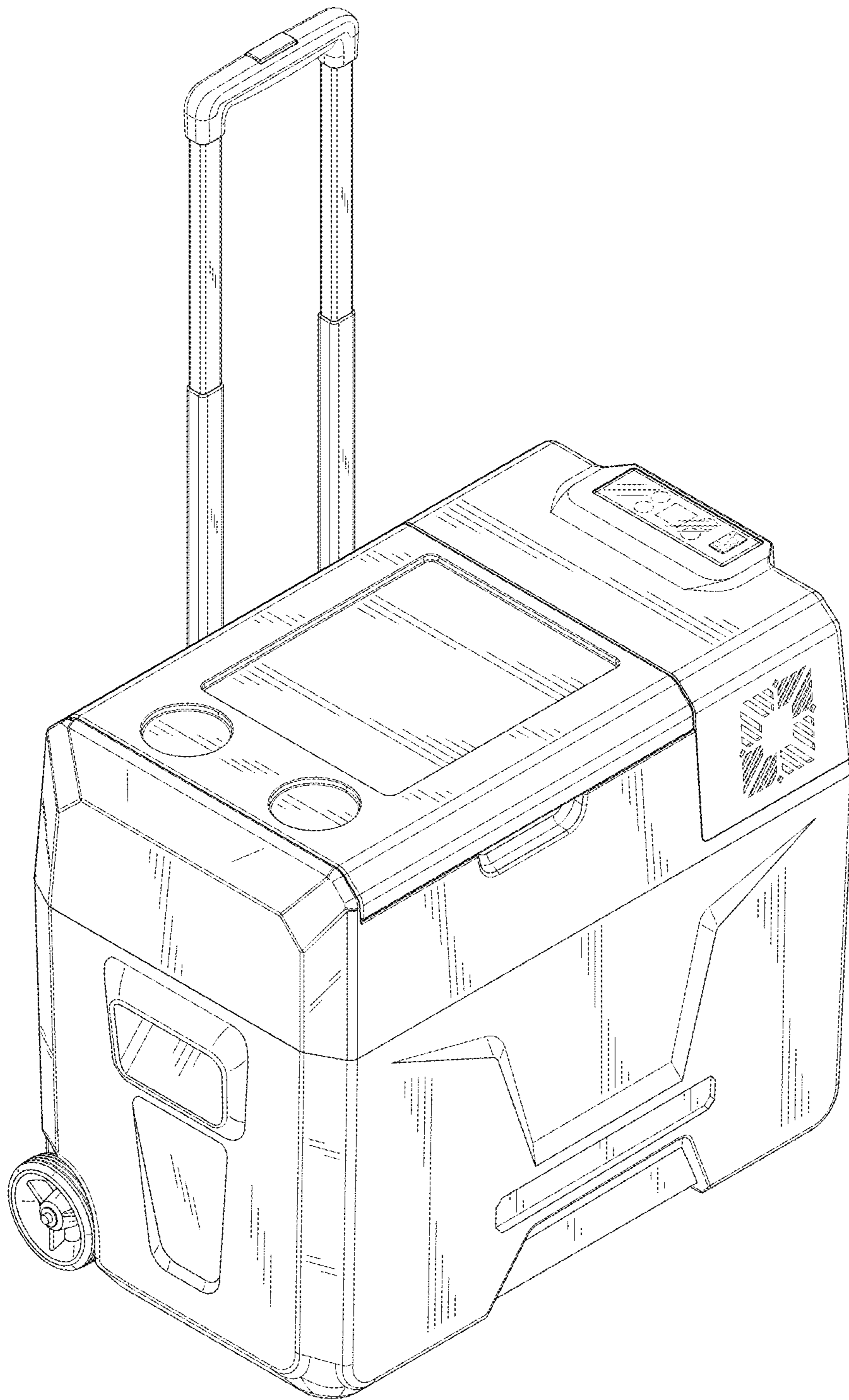


FIG. 1

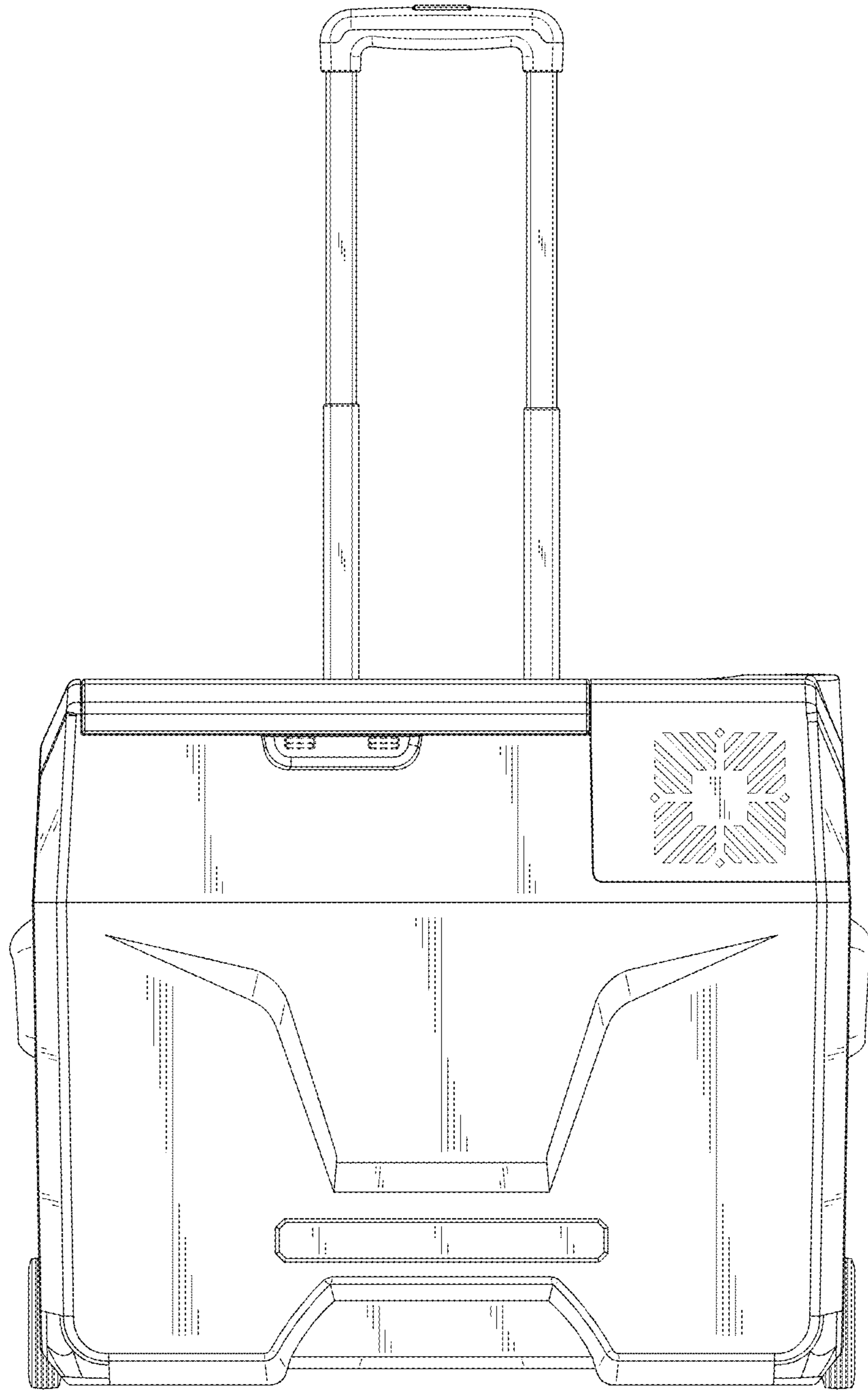


FIG. 2

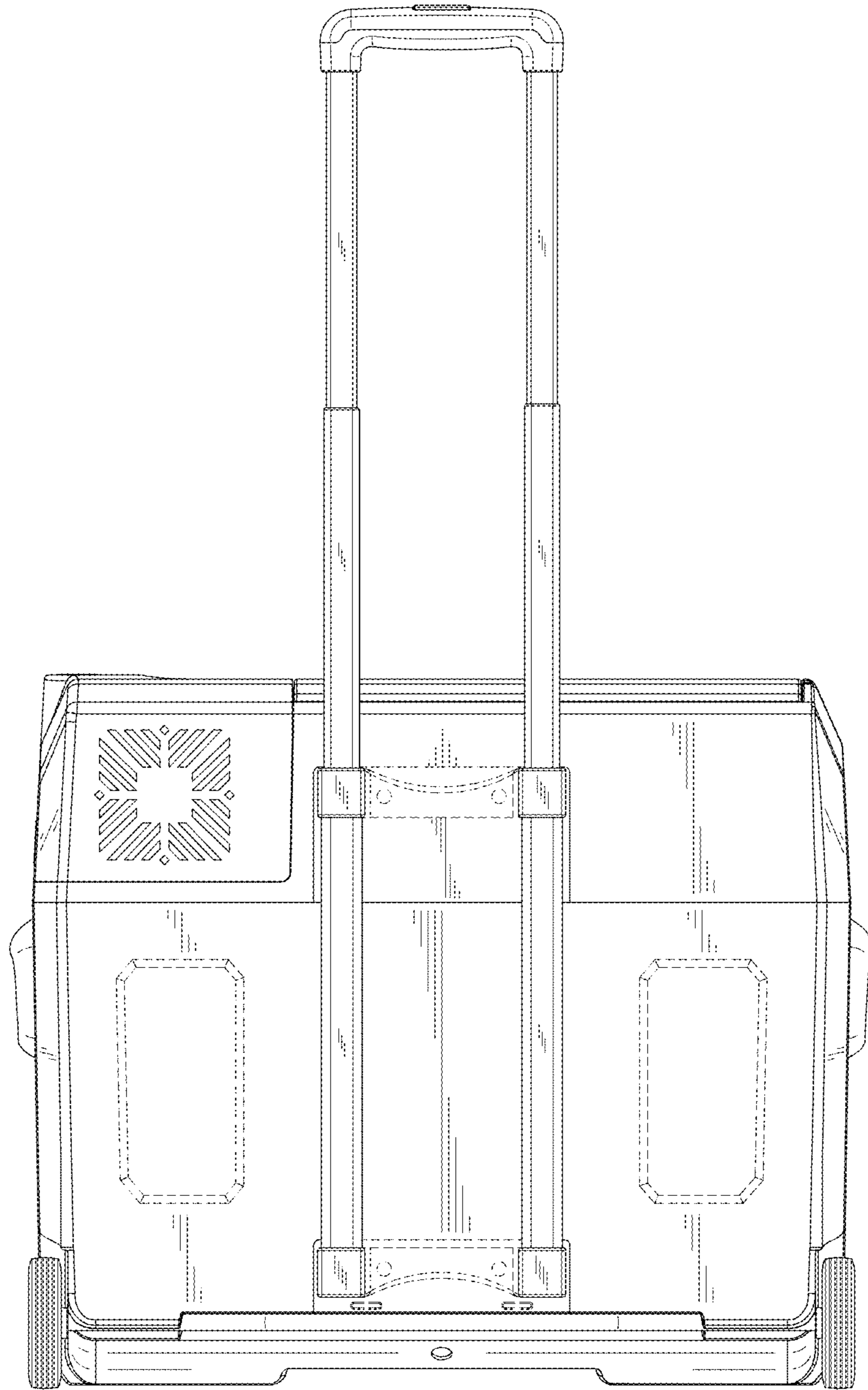


FIG. 3

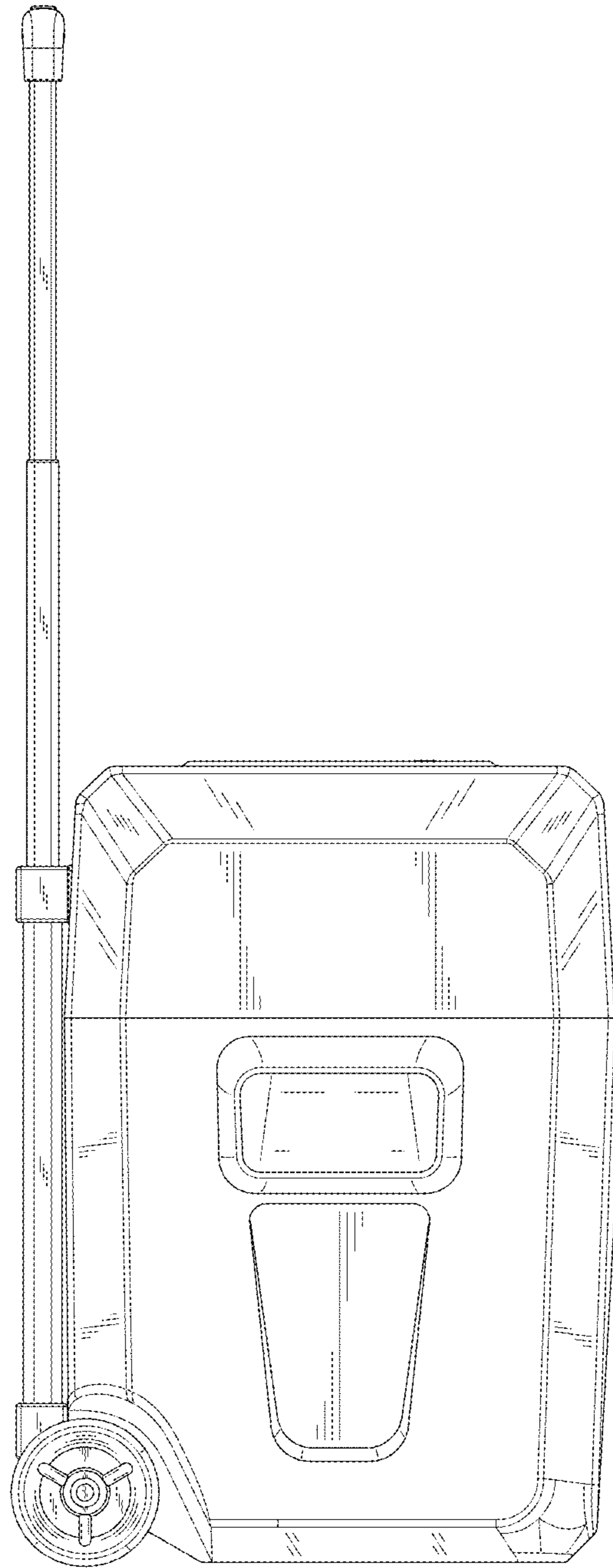


FIG. 4

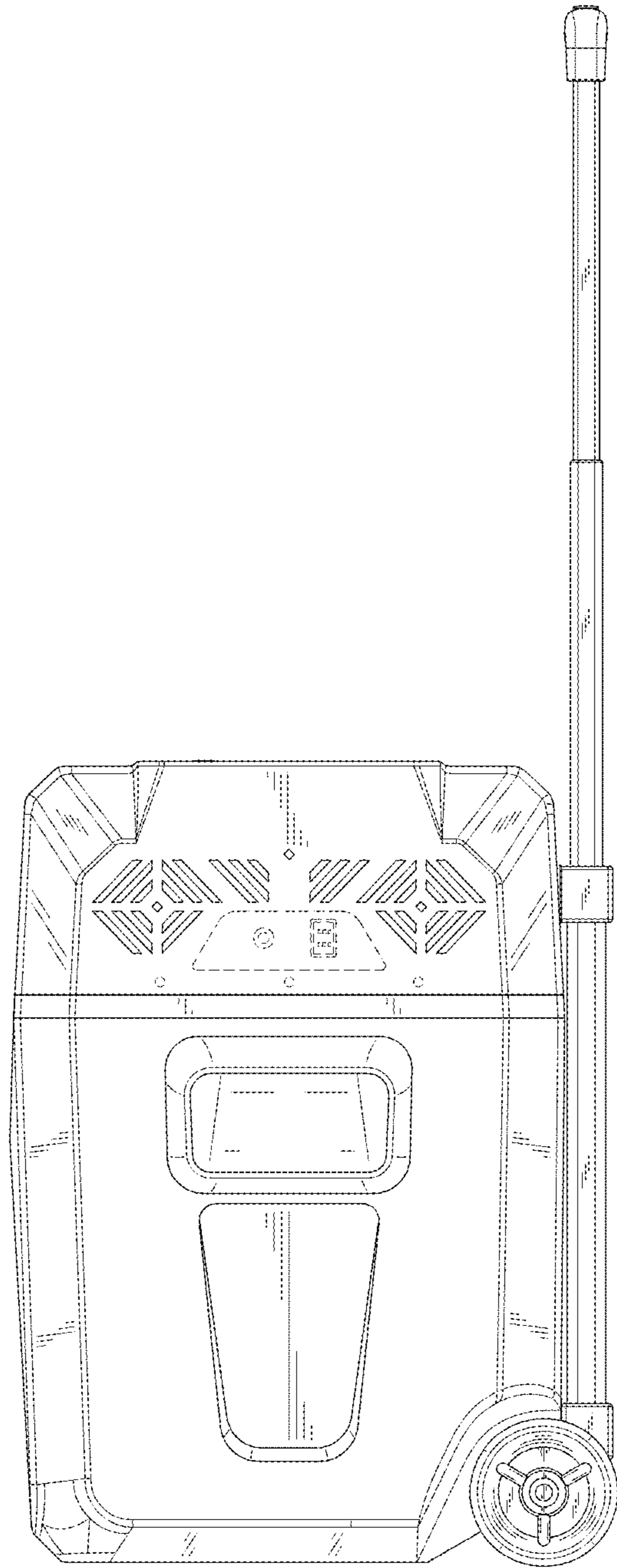


FIG. 5

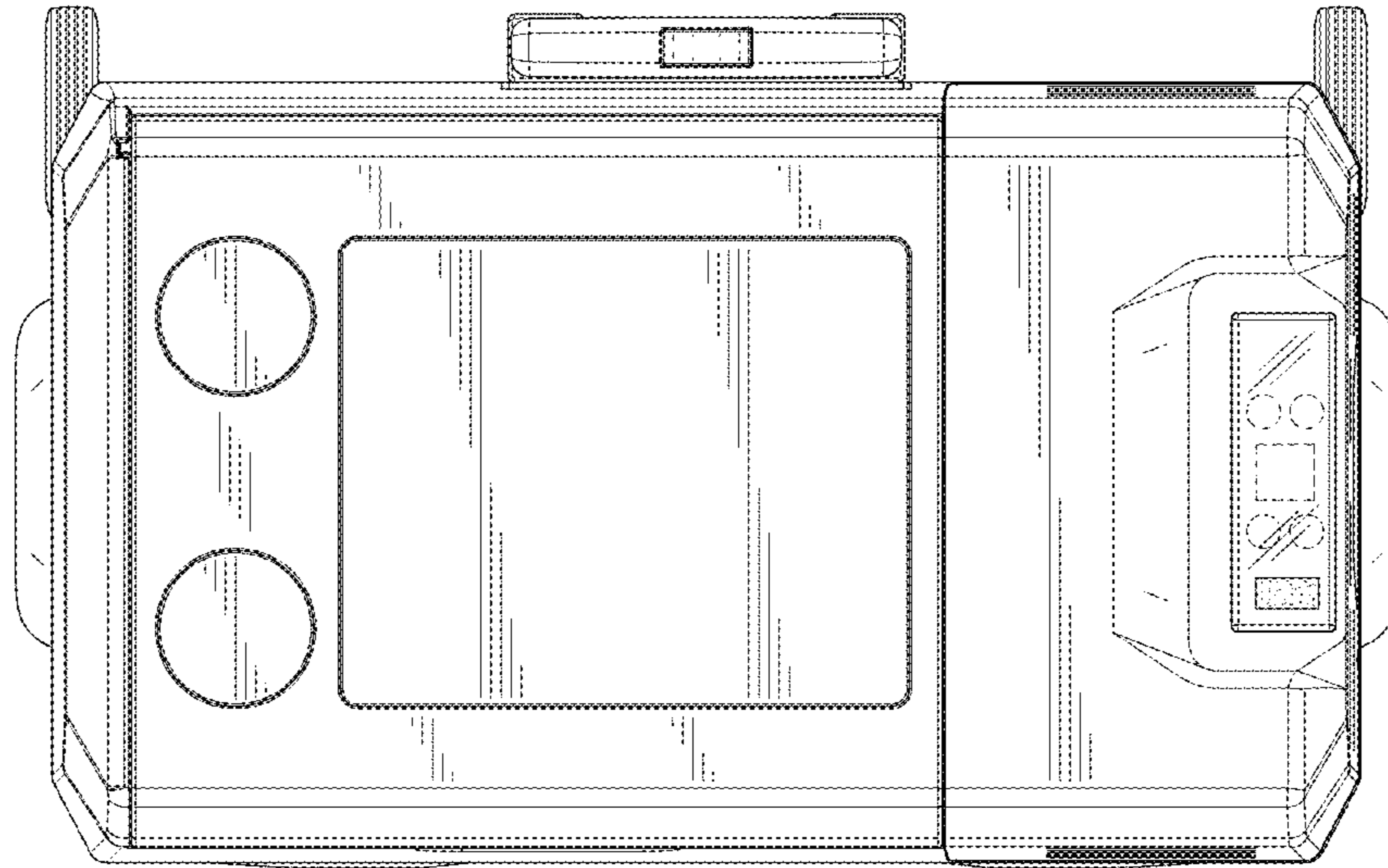


FIG. 6

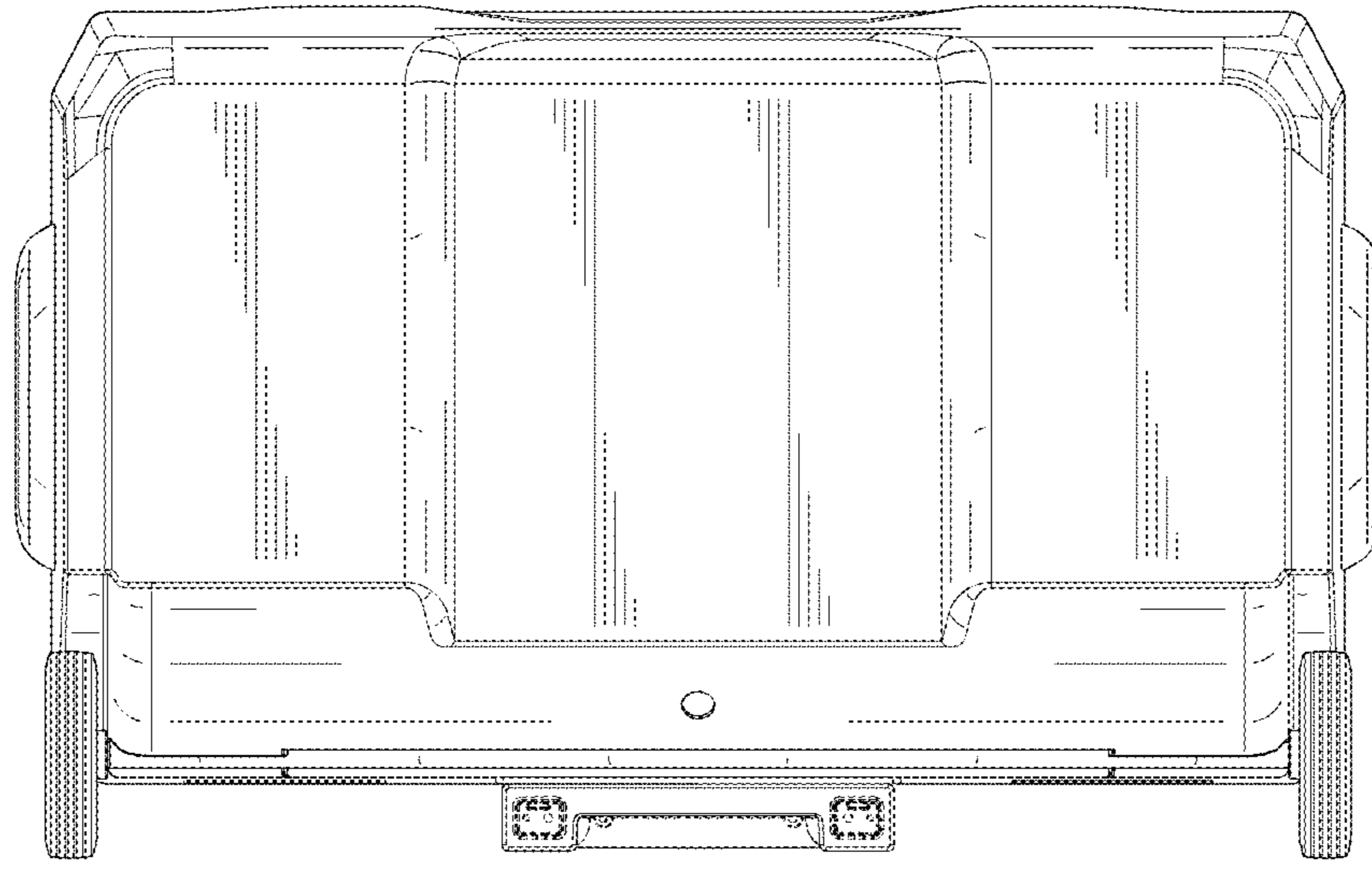


FIG. 7

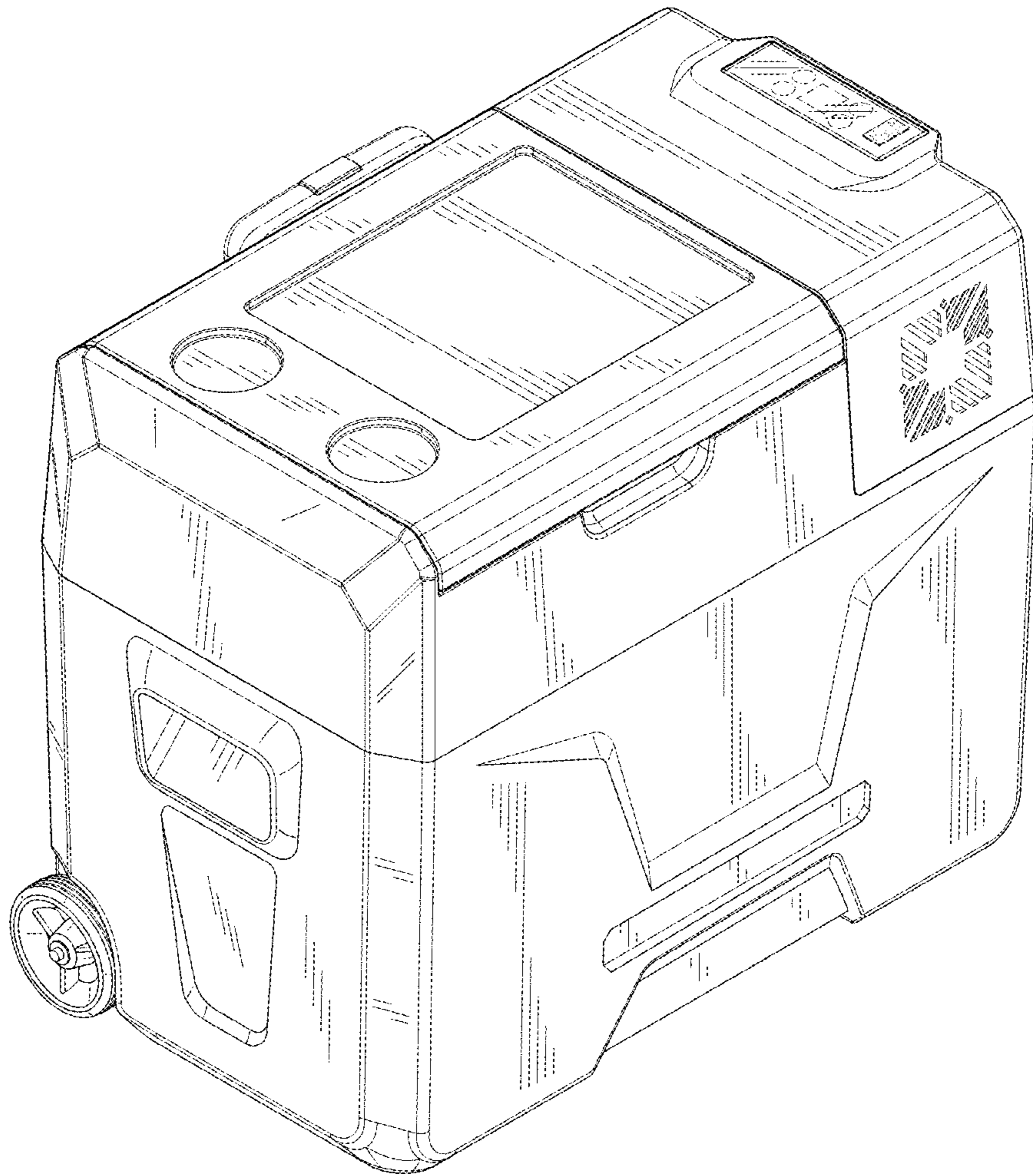


FIG. 8