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

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(54) **COMBINATION CAR JUMP STARTER AND TIRE INFLATOR**

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

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(51) **LOC (14) Cl.** **15-02**

(52) **U.S. Cl.**
USPC **D15/7; D13/103**

(58) **Field of Classification Search**
USPC D13/107, 116, 112, 113, 103, 184, 199;
D15/7, 9
CPC F04B 39/12; Y02E 60/10; Y02E 60/13;
H02J 7/00; H02J 7/02; H02J 7/022; H02J
7/025; H02J 7/0042; H02J 7/0044; H02J
7/0045; H02J 7/0013; H02J 7/0003; H02J
7/0034; H02J 7/0027; H02J 7/04
See application file for complete search history.

(56) **References Cited**

U.S. PATENT DOCUMENTS

| | | | | | |
|-----------|------|---------|---------|-------|------------------------|
| 5,982,138 | A * | 11/1999 | Krieger | ..... | H02J 7/0042 320/105 |
| 6,565,381 | B1 * | 5/2003 | Chou | ..... | H01M 50/20 429/100 |
| D484,852 | S * | 1/2004 | James | ..... | D13/110 |
| D503,148 | S * | 3/2005 | Krieger | ..... | D13/107 |
| D504,661 | S * | 5/2005 | Krieger | ..... | D13/107 |
| D504,869 | S * | 5/2005 | Krieger | ..... | D13/107 |
| D505,388 | S * | 5/2005 | Krieger | ..... | D13/107 |
| D512,685 | S * | 12/2005 | Krieger | ..... | D13/107 |
| D513,604 | S * | 1/2006 | Krieger | ..... | D13/107 |

(Continued)

OTHER PUBLICATIONS

Portable Car Jump Starter with Air Compressor, available in Amazon.com, date first available: Nov. 1, 2021[online], [site visited: Dec. 12, 2022], Available from the internet URL:https://www.amazon.com/dp/B09FJQ7F5R/ref=emc_b_5_t?th=1 (Year: 2021).*

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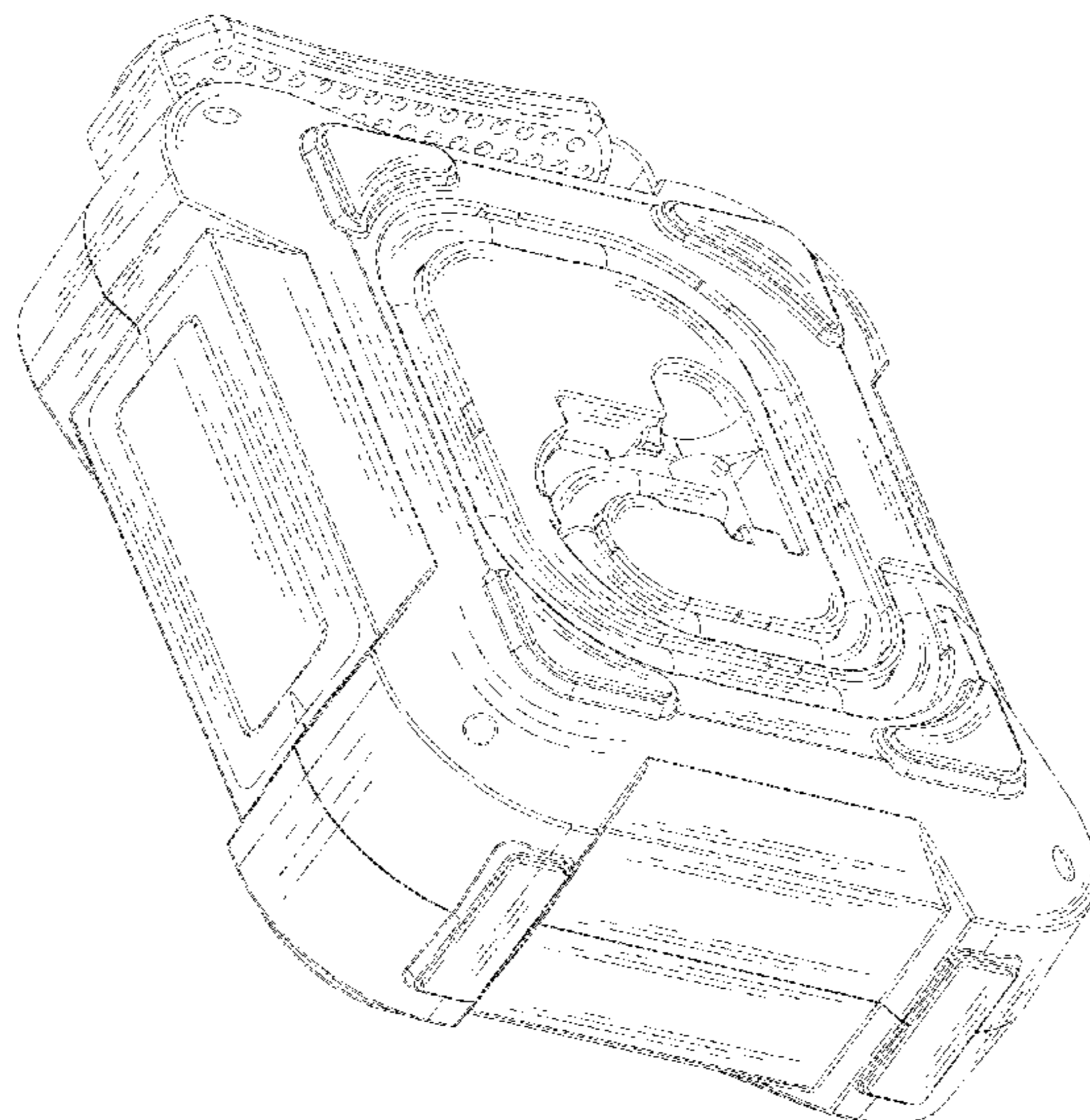
(57) **CLAIM**

The ornamental design for a combination car jump starter and tire inflator, as shown and described.

DESCRIPTION

FIG. 1 is a rear and bottom perspective view of a combination car jump starter and tire inflator design showing my new design.
FIG. 2 is a front and bottom perspective view of a combination car jump starter and tire inflator.
FIG. 3 is a front view of a combination car jump starter and tire inflator.
FIG. 4 is a rear view of a combination car jump starter and tire inflator.
FIG. 5 is a left side view of a combination car jump starter and tire inflator.
FIG. 6 is a right side view of a combination car jump starter and tire inflator.
FIG. 7 is a top view of a combination car jump starter and tire inflator; and,
FIG. 8 is a bottom view of a combination car jump starter and tire inflator.
Any shading and cross-hatching are not features of the design but are utilized to illustrate the surface contours of the combination car jump starter and tire inflator design in the drawings.
The broken lines depict portions of the combination car jump starter and tire inflator that form no part of the claimed design.

1 Claim, 8 Drawing Sheets



(56)

References Cited

U.S. PATENT DOCUMENTS

| | | | | | | |
|----------|---|---|---------|-------------|-------|------------------------|
| D514,508 | S | * | 2/2006 | Krieger | ..... | D13/107 |
| D514,509 | S | * | 2/2006 | Krieger | ..... | D13/107 |
| D515,028 | S | * | 2/2006 | Krieger | ..... | D13/107 |
| D517,983 | S | * | 3/2006 | Krieger | ..... | D13/107 |
| D523,395 | S | * | 6/2006 | Krieger | ..... | D13/107 |
| D526,613 | S | * | 8/2006 | Zeiler | ..... | D13/107 |
| D530,666 | S | * | 10/2006 | Krieger | ..... | D13/107 |
| D545,269 | S | * | 6/2007 | Dayan | ..... | D13/107 |
| D549,644 | S | * | 8/2007 | Hulden | ..... | D13/107 |
| D559,865 | S | * | 1/2008 | Wise | ..... | D15/7 |
| D594,406 | S | * | 6/2009 | Ellsworth | ..... | D13/107 |
| D595,222 | S | * | 6/2009 | Ellsworth | ..... | D13/107 |
| D601,495 | S | * | 10/2009 | Shum | ..... | D13/107 |
| D601,496 | S | * | 10/2009 | Shum | ..... | D13/107 |
| D609,632 | S | * | 2/2010 | Daniels | ..... | D13/107 |
| D609,633 | S | * | 2/2010 | Daniels | ..... | D13/107 |
| D609,635 | S | * | 2/2010 | Daniels | ..... | D13/107 |
| D620,881 | S | * | 8/2010 | Daniels | ..... | D13/107 |
| D624,492 | S | * | 9/2010 | Daniels | ..... | D13/110 |
| D624,493 | S | * | 9/2010 | Daniels | ..... | D13/110 |
| D624,877 | S | * | 10/2010 | Daniels | ..... | D13/110 |
| D635,510 | S | * | 4/2011 | Inskeep | ..... | D13/107 |
| D649,931 | S | * | 12/2011 | James | ..... | D13/107 |
| D653,204 | S | * | 1/2012 | Whiting | ..... | D13/107 |
| D654,863 | S | * | 2/2012 | Whiting | ..... | D13/107 |
| D654,864 | S | * | 2/2012 | Whiting | ..... | D13/107 |
| D723,065 | S | * | 2/2015 | Galloway | ..... | D15/9 |
| D737,334 | S | * | 8/2015 | Galloway | ..... | D15/9 |
| D856,276 | S | * | 8/2019 | Vetu | ..... | H01M 50/20 D13/107 |
| D916,011 | S | * | 4/2021 | Finocchiaro | ..... | H02J 7/0042 D13/107 |

* cited by examiner

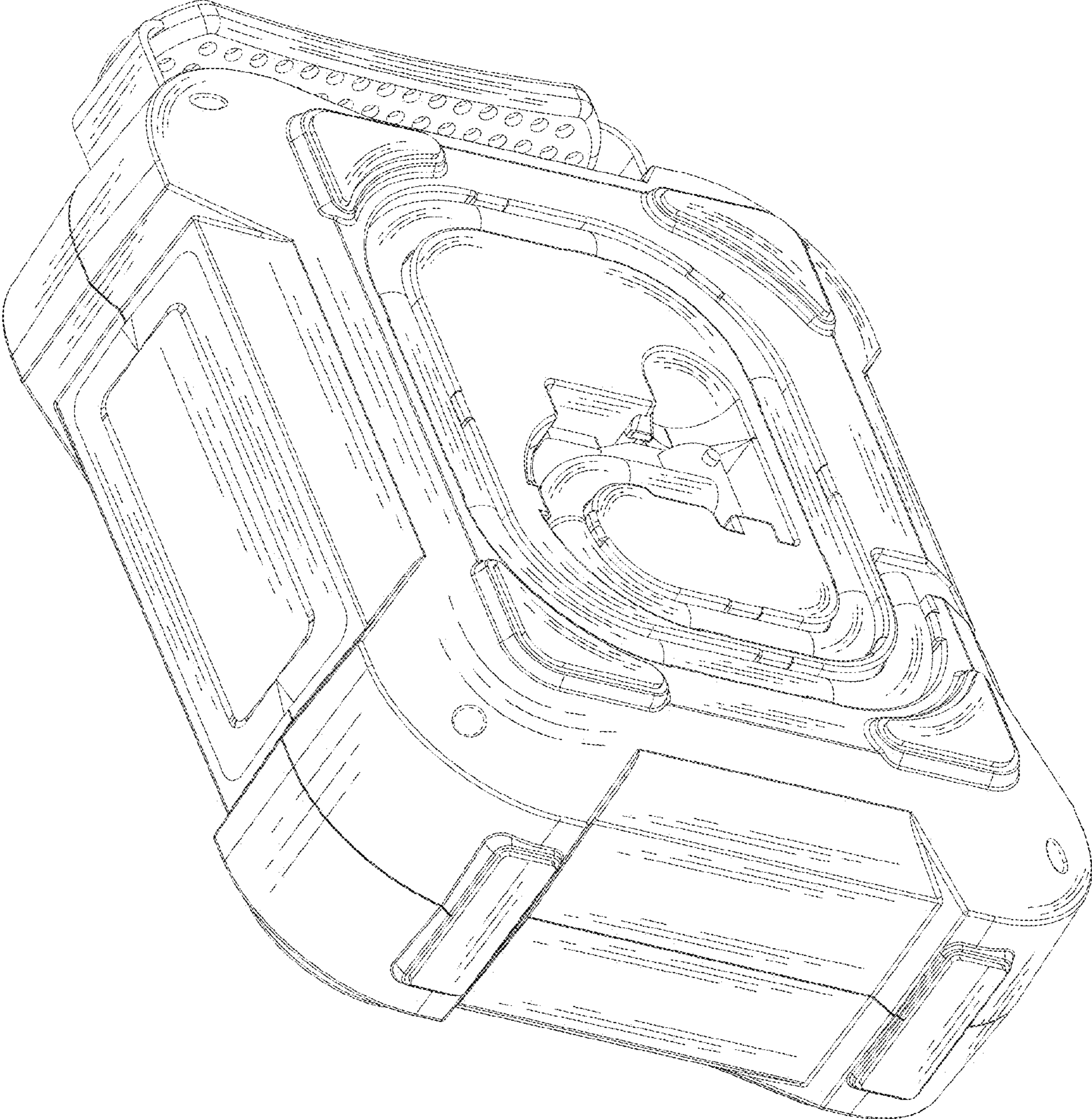


FIG. 1

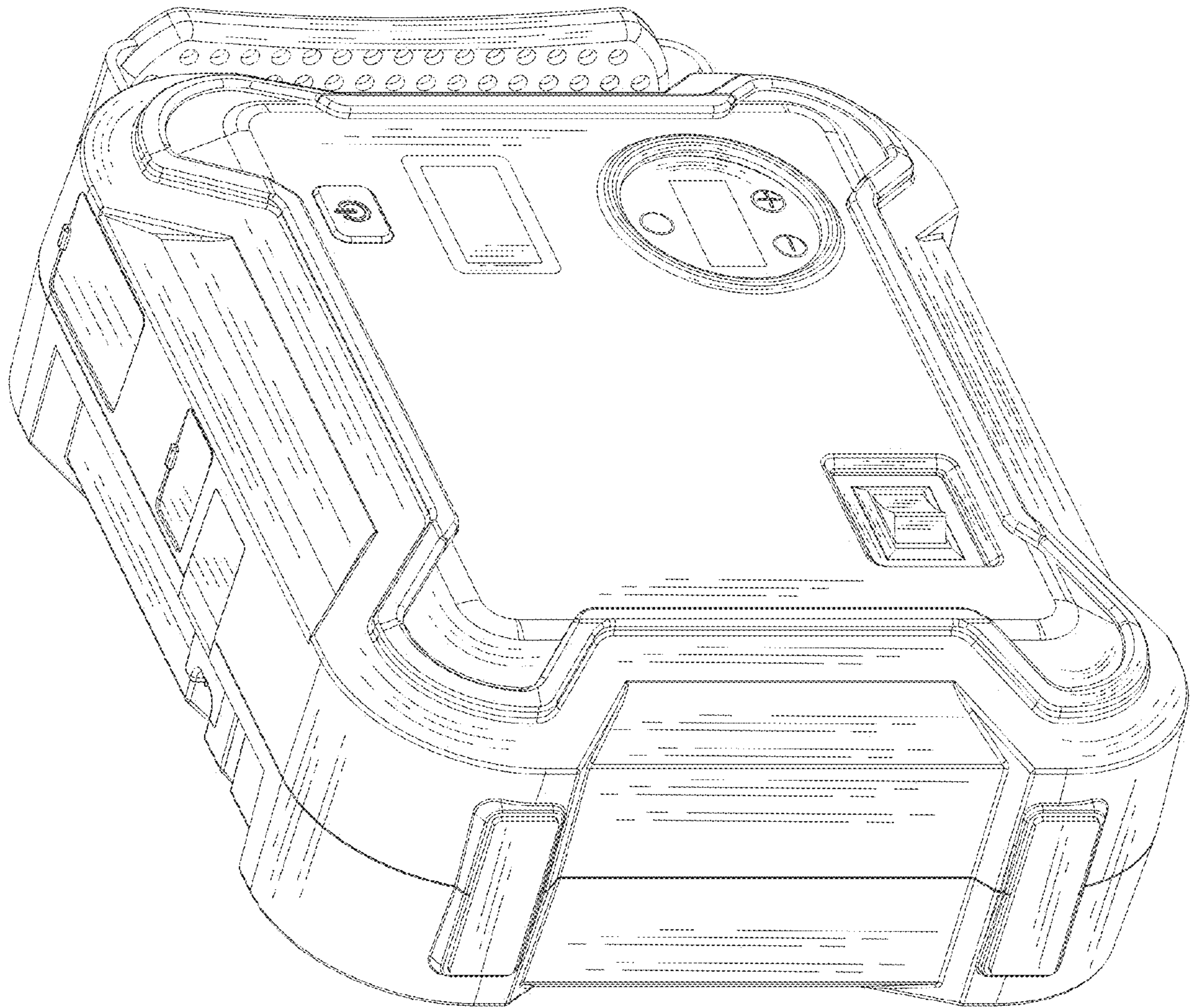


FIG. 2

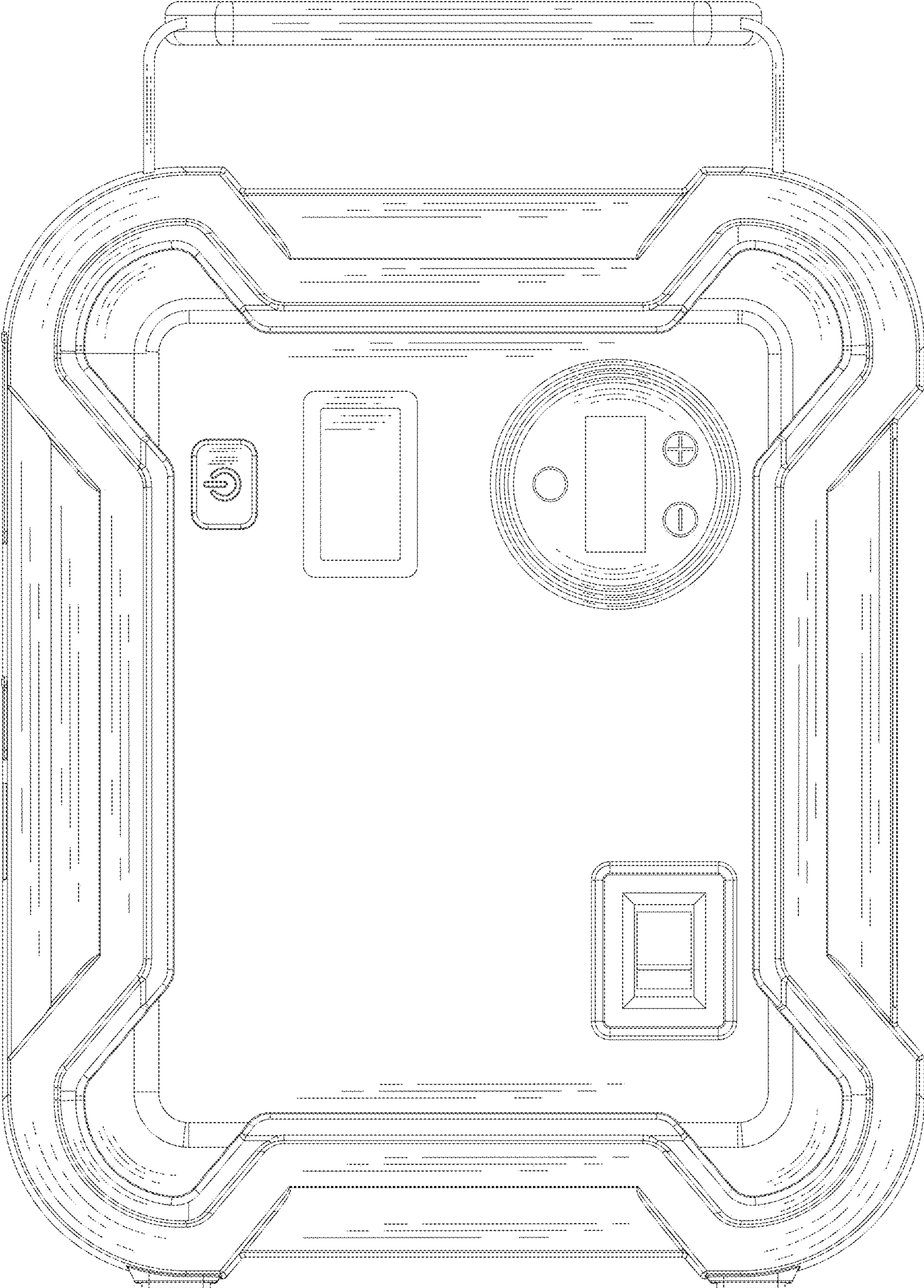


FIG. 3

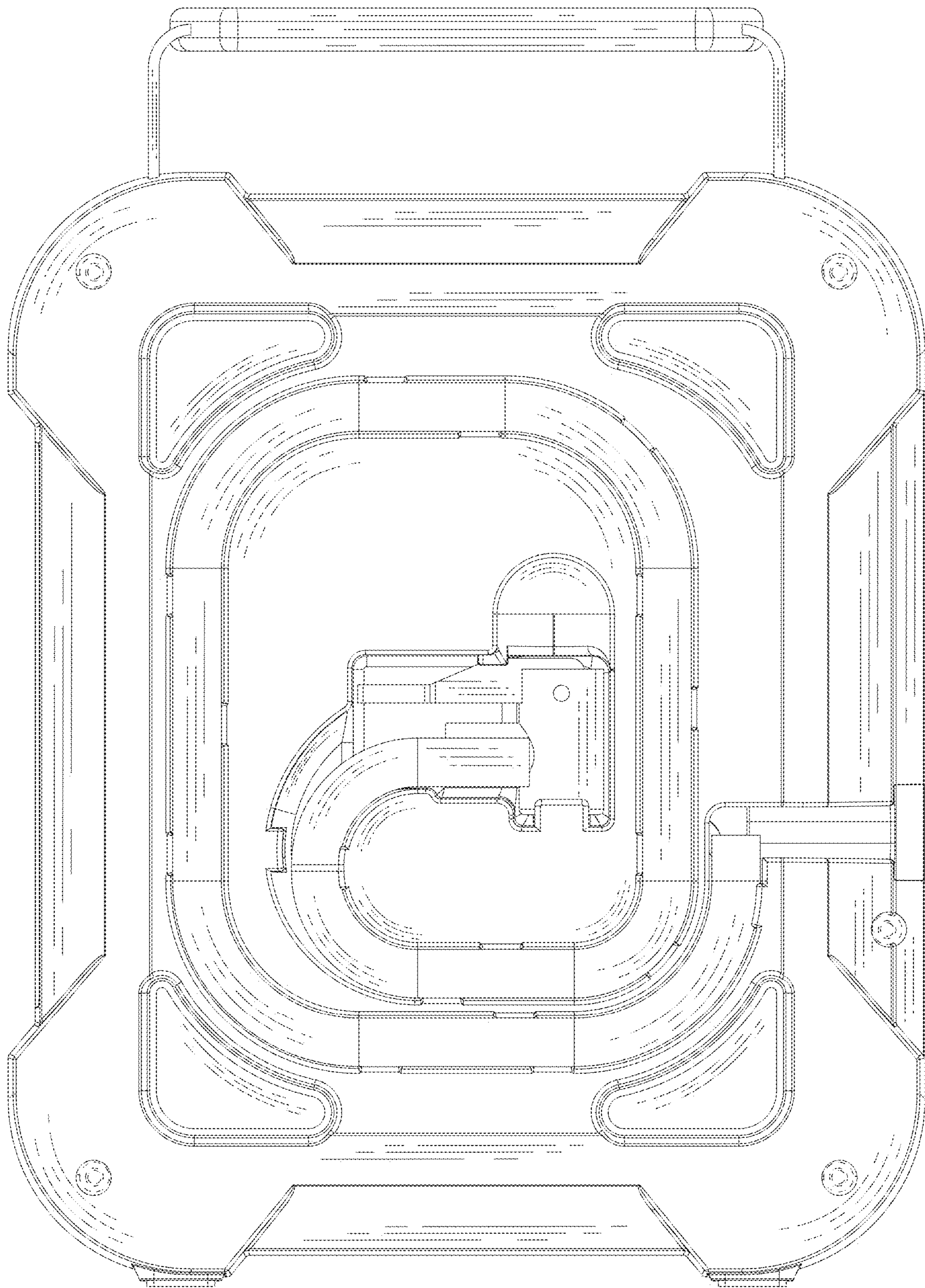


FIG. 4

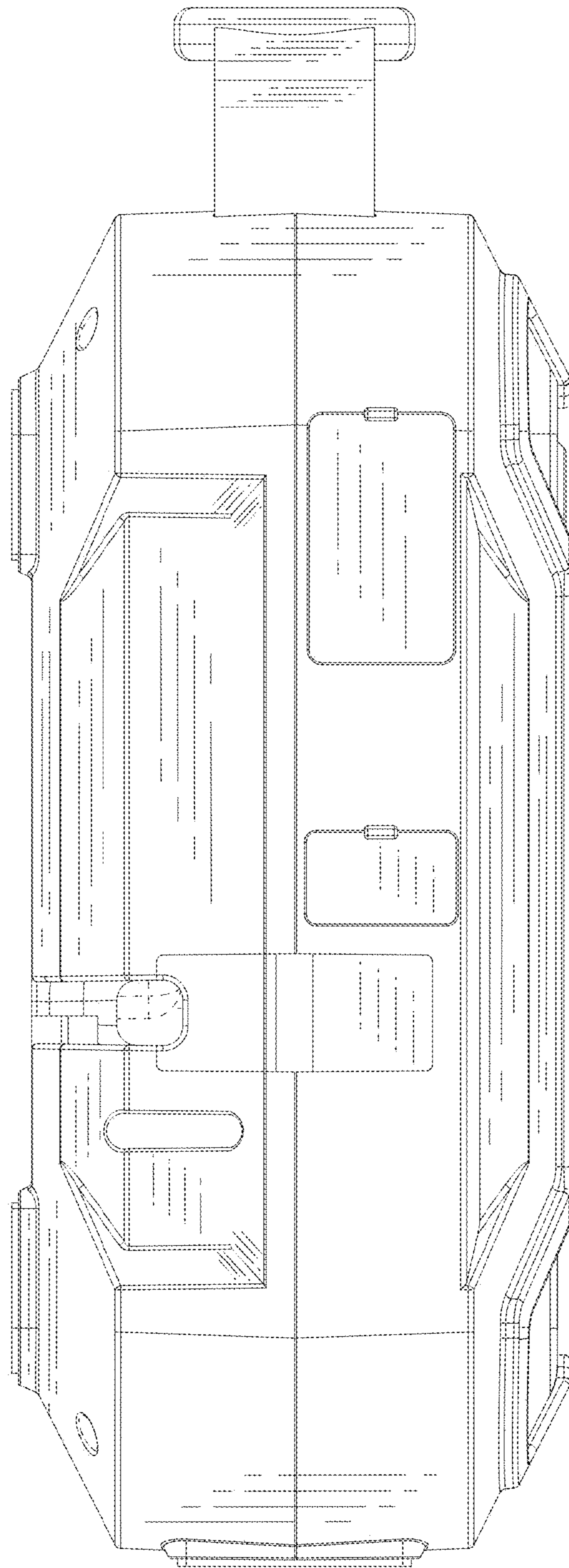


FIG. 5

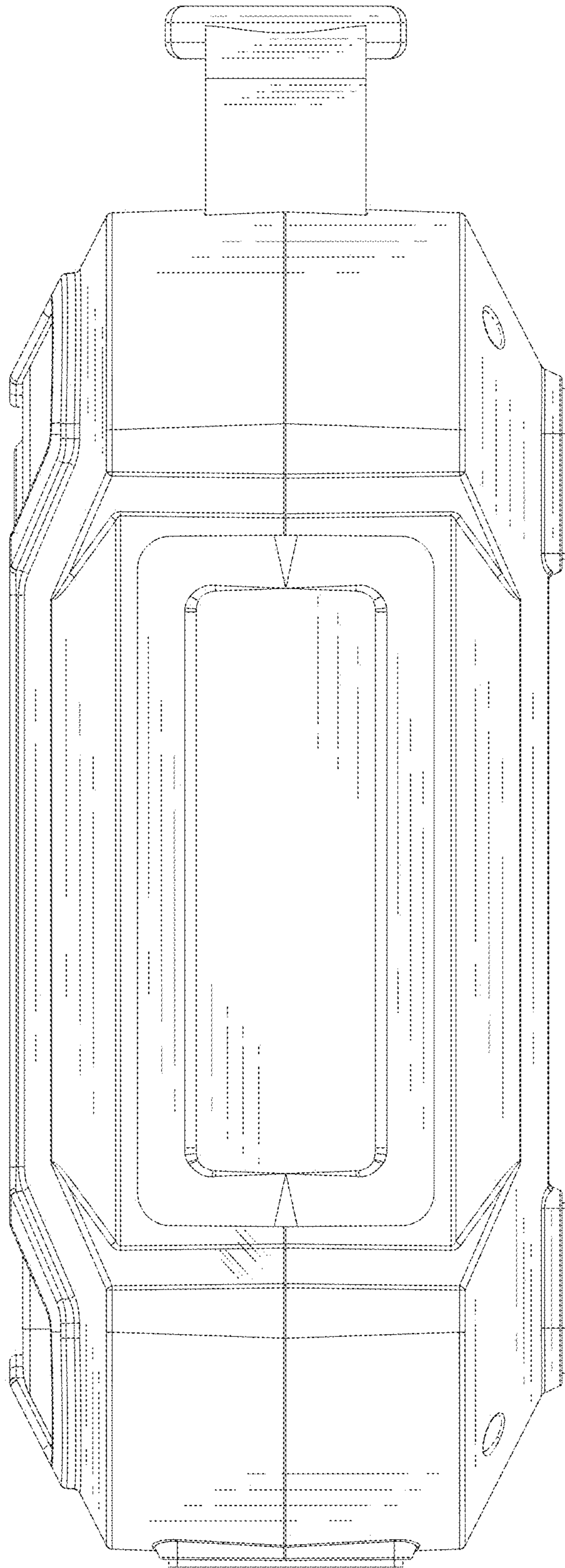


FIG. 6

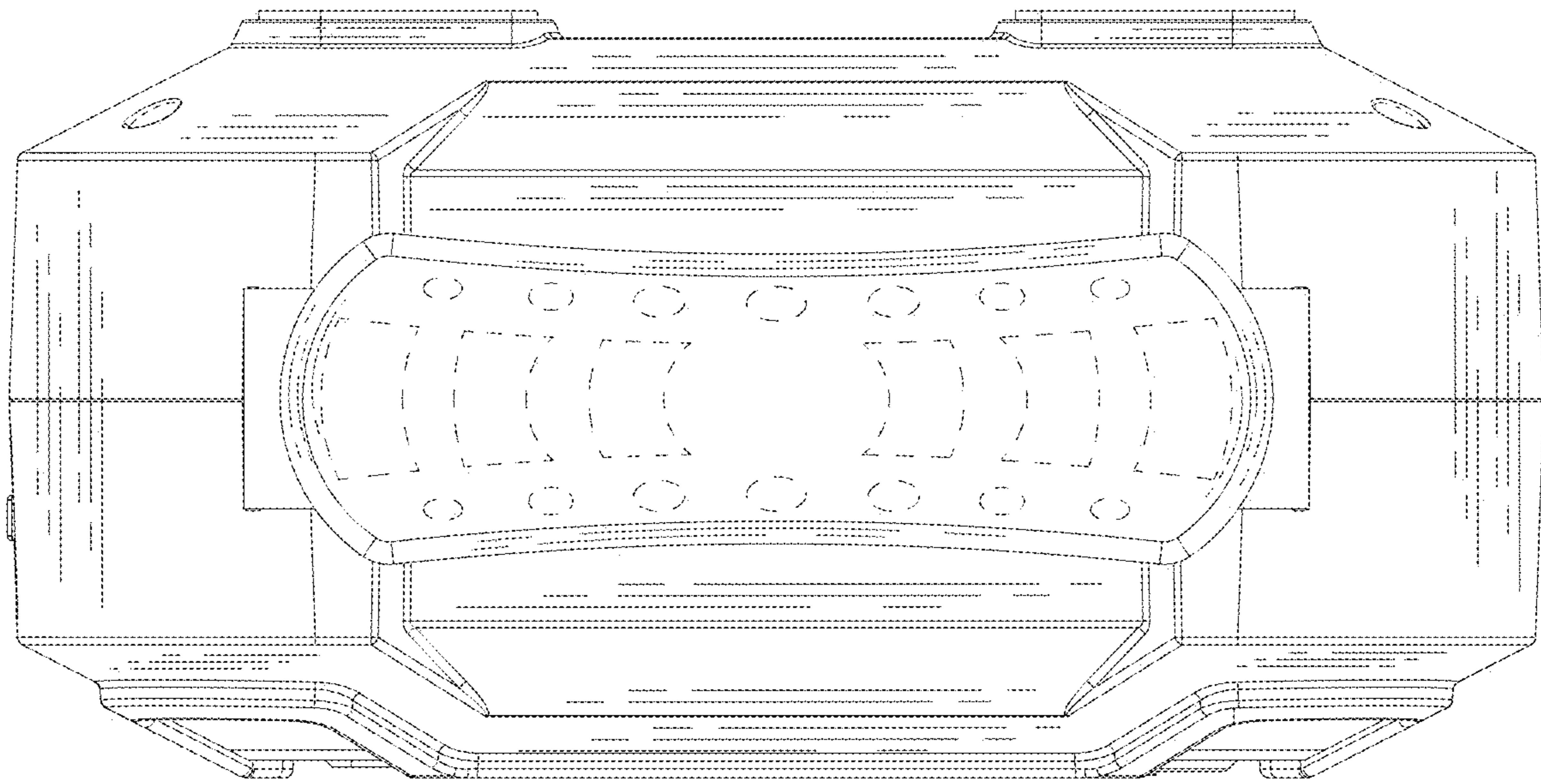


FIG. 7

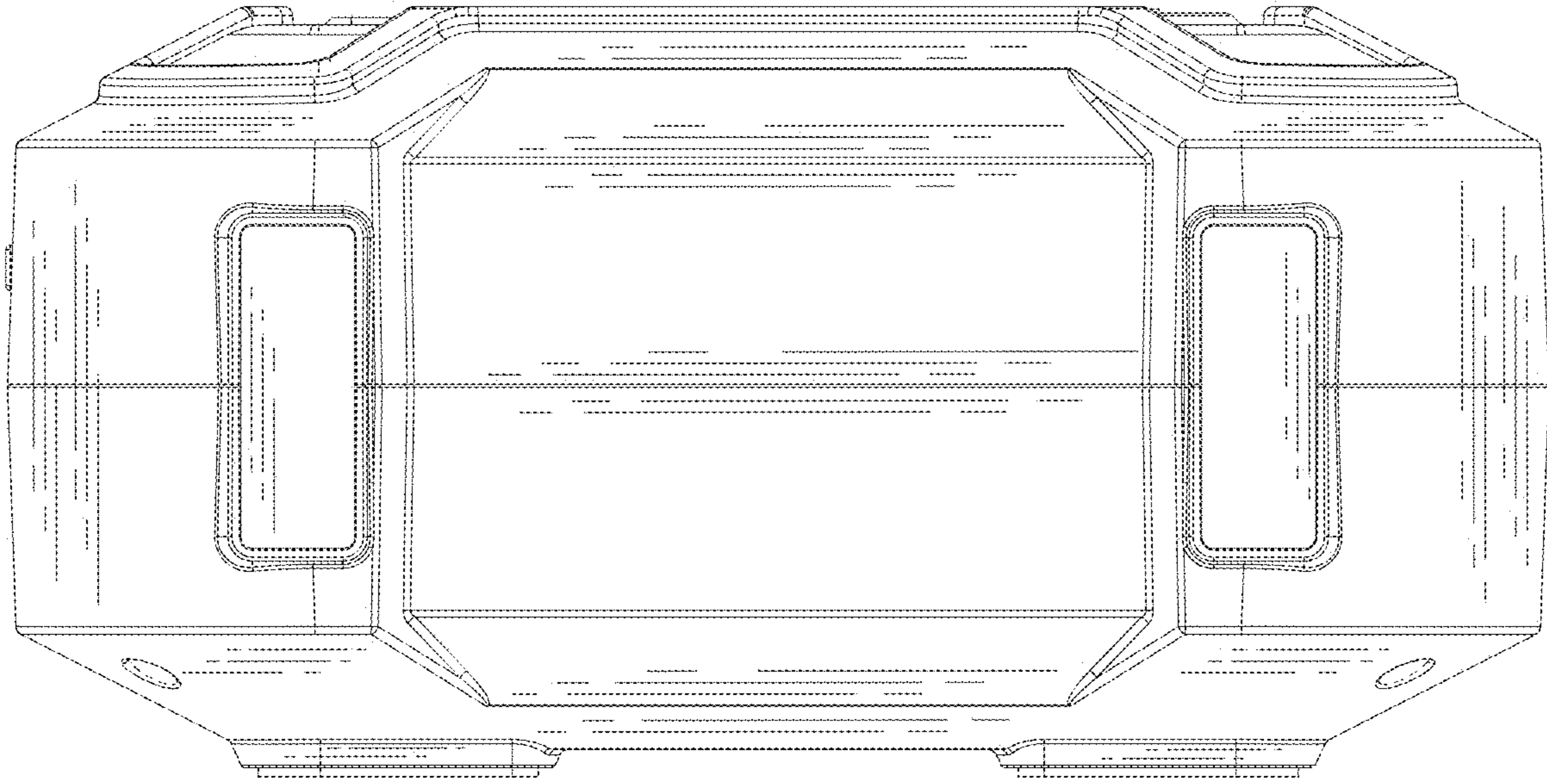


FIG. 8