



US00D959363S

(12) **United States Design Patent** (10) **Patent No.:** **US D959,363 S**  
**Yrad, Jr.** (45) **Date of Patent:** **\*\* Aug. 2, 2022**

(54) **BATTERY**  
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(\*\*) Term: **15 Years**  
(21) Appl. No.: **29/700,646**  
(22) Filed: **Aug. 5, 2019**  
(51) **LOC (13) Cl.** ..... **13-02**  
(52) **U.S. Cl.**  
USPC ..... **D13/103**  
(58) **Field of Classification Search**  
USPC ..... D13/102-110, 118, 119, 153, 154, 184, D13/199  
CPC ..... Y02E 60/10; Y02E 60/12; Y02E 60/122; Y02E 60/124; Y02E 60/50; H01M 2/02; H01M 2/022; H01M 2/0202; H01M 2/0207; H01M 2/0212; H01M 2/1061; H01M 2/1022; H01M 2/1055; H01M 2/1066; H01M 2/105; H01M 2/20; H01M 2/202; H01M 2/204; H01M 2/206; H01M 2200/30; H01M 2250/30; H01M 2250/40; H01M 10/44; H01M 10/46; H01M 10/465; H01M 10/482; H01M 10/4257; H01M 10/0436; H01M 10/48; H01M 10/6235; H02J 7/0034; H02J 7/0054; H02J 7/1423; H02J 7/00; H02J 7/0003; H02J 7/0011; H02J 7/0013; H02J 7/0055; H02J 7/0057; Y02T 10/7005; Y02T 10/705; Y02T 10/7088  
See application file for complete search history.

(56) **References Cited**  
U.S. PATENT DOCUMENTS  
D481,672 S \* 11/2003 Niwa ..... D13/103  
D504,394 S \* 4/2005 Cheung ..... D13/103

D530,270 S \* 10/2006 Ozawa ..... D13/103  
D544,436 S \* 6/2007 Kawahara ..... D13/103  
D553,562 S \* 10/2007 Okada ..... D13/103  
D555,086 S \* 11/2007 Zhang ..... D13/103  
D568,239 S \* 5/2008 Okada ..... D13/103  
D579,868 S \* 11/2008 Harrison ..... D13/103  
D588,986 S \* 3/2009 Zhang ..... D13/110  
D589,439 S \* 3/2009 Van Wambeke ..... D13/103  
D589,440 S \* 3/2009 Van Wambeke ..... D13/103  
D589,441 S \* 3/2009 Van Wambeke ..... D13/103  
D593,944 S \* 6/2009 Smith ..... D13/119  
D597,933 S \* 8/2009 Aglassinger ..... D13/103  
D597,934 S \* 8/2009 Aglassinger ..... D13/103  
D597,935 S \* 8/2009 Aglassinger ..... D13/103  
D598,373 S \* 8/2009 Aglassinger ..... D13/103  
D604,695 S \* 11/2009 Aglassinger ..... D13/103

(Continued)

**OTHER PUBLICATIONS**

Office Action; Application No. CN 201930517333.5; dated Mar. 20, 2020; 3 pages.

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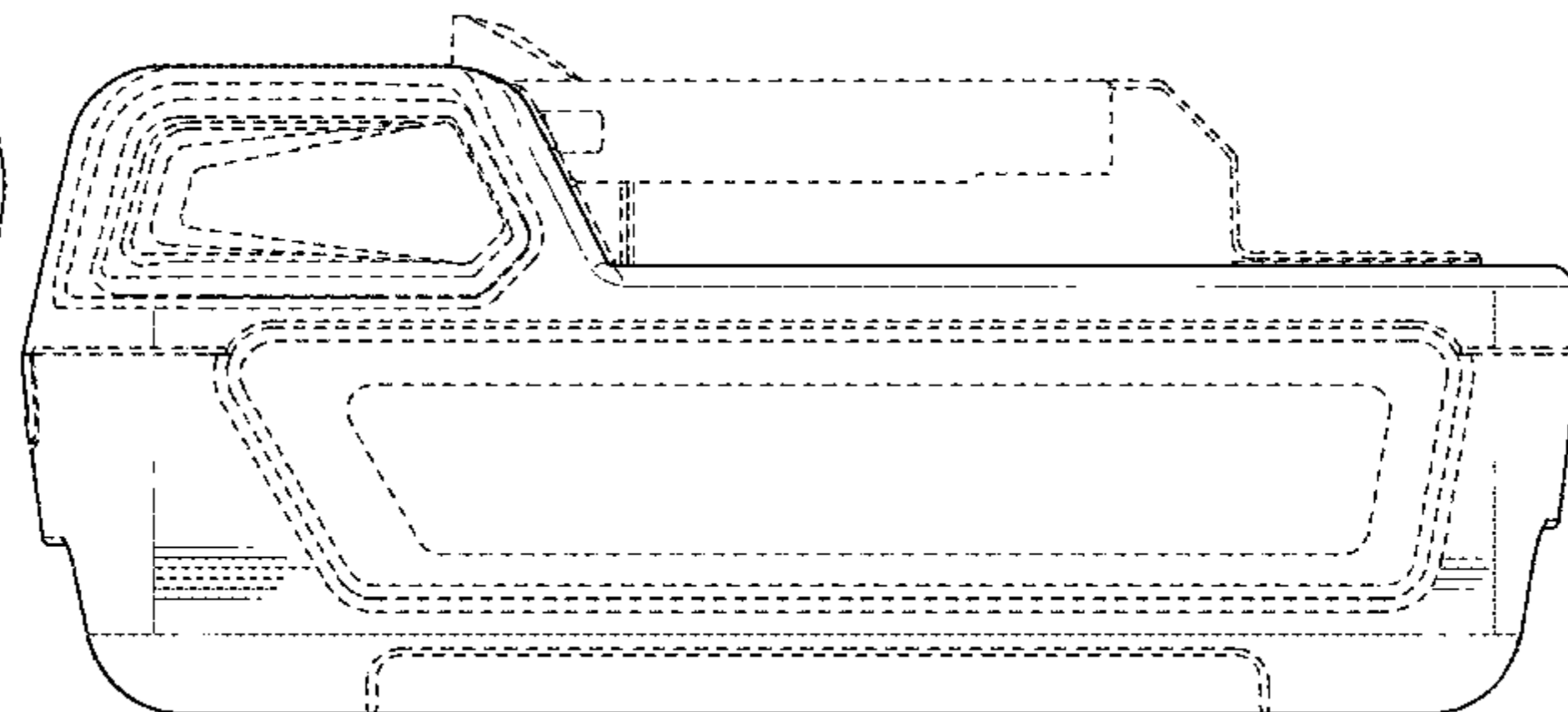
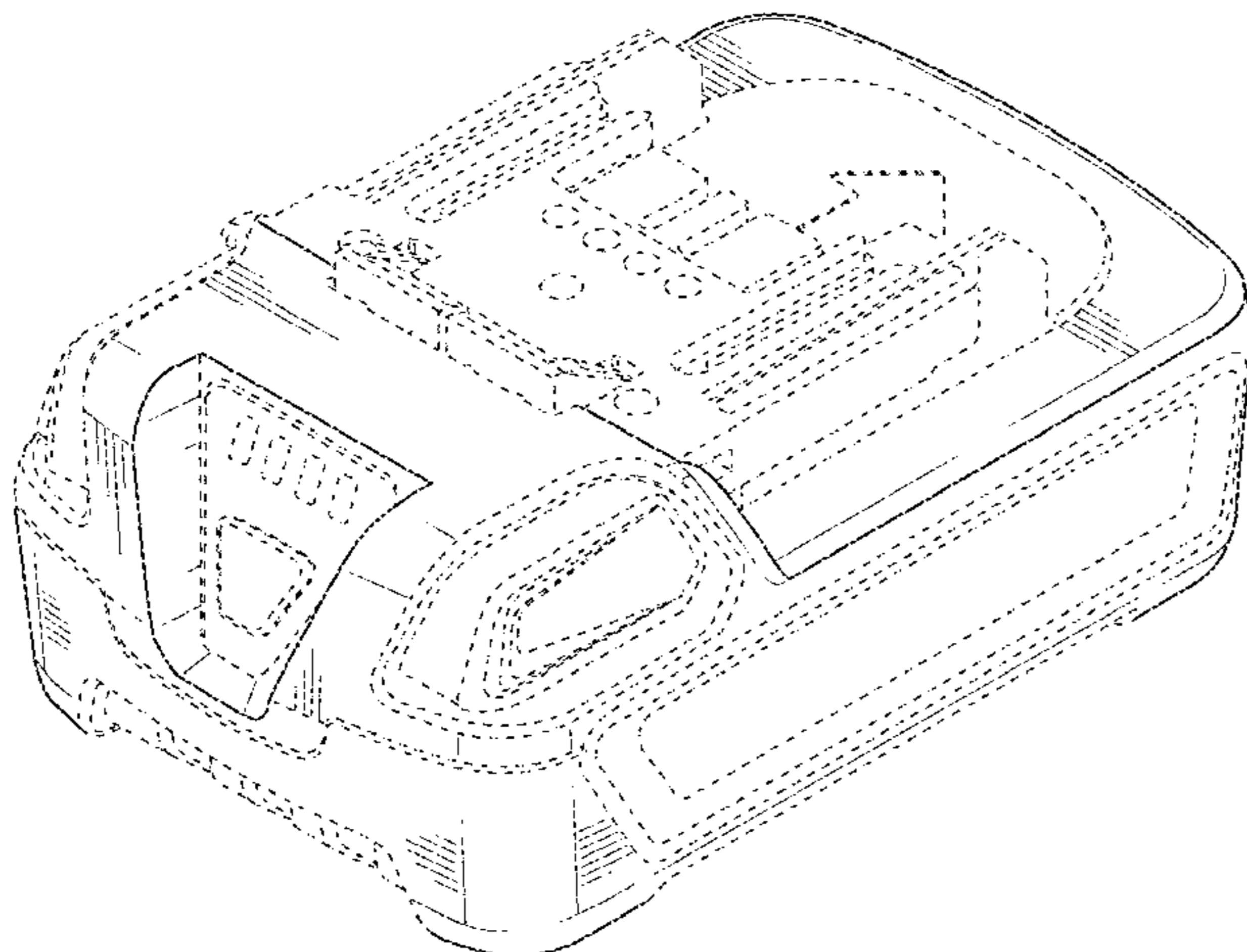
(57) **CLAIM**

The ornamental design for a battery, as shown and described.

**DESCRIPTION**

FIG. 1 is a front right perspective view of a battery.  
FIG. 2 is a rear view of the battery of FIG. 1.  
FIG. 3 is a front view of the battery of FIG. 1.  
FIG. 4 is a right side view of the battery of FIG. 1.  
FIG. 5 is a left side view of the battery of FIG. 1.  
FIG. 6 is a top plan view of the battery of FIG. 1; and,  
FIG. 7 is a bottom plan view of the battery of FIG. 1.  
The broken lines in the drawings are for the purpose of illustrating portions of the article that form no part of the claimed design.

**1 Claim, 7 Drawing Sheets**



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References Cited

U.S. PATENT DOCUMENTS

D606,935 S \* 12/2009 Murayama ..... D13/103  
 D622,661 S \* 8/2010 Yamada ..... D13/103  
 D633,036 S \* 2/2011 Murray ..... D13/103  
 D639,730 S \* 6/2011 Kawase ..... D13/103  
 D640,190 S \* 6/2011 Aglassinger ..... D13/103  
 D640,196 S \* 6/2011 Shuang ..... D13/103  
 D640,197 S \* 6/2011 Park ..... D13/103  
 D640,628 S \* 6/2011 Lopano ..... D13/103  
 D640,975 S \* 7/2011 Okuda ..... D13/103  
 D643,809 S \* 8/2011 Okuda ..... D13/103  
 D658,578 S \* 5/2012 Davis ..... D13/103  
 D668,219 S \* 10/2012 Zhao ..... D13/107  
 D680,064 S \* 4/2013 Tirone ..... D13/103  
 D682,192 S \* 5/2013 Corbin ..... D13/103  
 D682,193 S \* 5/2013 Corbin ..... D13/103  
 D682,194 S \* 5/2013 Jiang ..... D13/103  
 D684,528 S \* 6/2013 Murray ..... D13/103  
 D685,730 S \* 7/2013 Hamm ..... D13/103  
 D692,380 S \* 10/2013 Tirone ..... D13/119  
 D699,180 S \* 2/2014 Sweere ..... D13/103  
 D710,794 S \* 8/2014 Busschaert ..... D13/103  
 D712,826 S \* 9/2014 Marino ..... D13/103  
 D718,705 S \* 12/2014 Naksen ..... D13/103  
 D770,377 S \* 11/2016 Kondo ..... D13/103  
 D780,686 S \* 3/2017 Glasow ..... D13/103  
 D780,687 S \* 3/2017 Taniguchi ..... D13/103  
 D780,688 S \* 3/2017 Elder ..... D13/103  
 D785,562 S \* 5/2017 Cooper ..... D13/103  
 D797,661 S \* 9/2017 Elder ..... D13/103  
 D800,650 S \* 10/2017 Itoh ..... D13/103  
 D800,656 S \* 10/2017 Marino ..... D13/119  
 D801,917 S \* 11/2017 Jiang ..... D13/103  
 D801,919 S \* 11/2017 Elder ..... D13/103  
 D803,777 S \* 11/2017 Burchard ..... D13/103  
 D812,555 S \* 3/2018 Schoch ..... D13/103  
 D818,948 S \* 5/2018 Waldron ..... D13/103  
 D819,562 S \* 6/2018 Waldron ..... D13/103  
 D826,149 S \* 8/2018 Cooper ..... D13/103  
 D826,150 S \* 8/2018 Cayon ..... D13/103  
 D844,558 S \* 4/2019 Taniguchi ..... D13/103  
 D849,681 S \* 5/2019 Howell ..... D13/103  
 D856,921 S \* 8/2019 Lee ..... D13/103  
 D858,432 S \* 9/2019 Altenburger ..... D13/103  
 D862,382 S \* 10/2019 Altenburger ..... D13/103  
 D867,279 S \* 11/2019 Altenburger ..... D13/103  
 D876,340 S \* 2/2020 Song ..... D13/103  
 D881,119 S \* 4/2020 Elder ..... D13/103  
 D884,600 S \* 5/2020 Zhou ..... D13/103  
 D884,601 S \* 5/2020 Zhou ..... D13/103  
 D887,969 S \* 6/2020 Howell ..... D13/103  
 D890,692 S \* 7/2020 Elder ..... D13/103  
 D891,363 S \* 7/2020 Roberts ..... D13/103

D893,411 S \* 8/2020 Roberts ..... D13/103  
 D893,413 S \* 8/2020 Grulke ..... D13/103  
 D894,118 S \* 8/2020 Liu ..... D13/103  
 D894,120 S \* 8/2020 Timm ..... D13/103  
 D894,827 S \* 9/2020 Watson ..... D13/103  
 D897,948 S \* 10/2020 Yrad, Jr. .... H01R 27/00  
 D13/107  
 D898,662 S \* 10/2020 Waldron ..... D13/103  
 D902,147 S \* 11/2020 Stray ..... D13/103  
 D909,290 S \* 2/2021 Hasenmayer ..... D13/103  
 D911,267 S \* 2/2021 Matteo ..... D13/103  
 D911,268 S \* 2/2021 Matteo ..... D13/103  
 D911,269 S \* 2/2021 Matteo ..... D13/103  
 D911,922 S \* 3/2021 Watson ..... D13/103  
 D911,931 S \* 3/2021 Li ..... D13/103  
 D919,560 S \* 5/2021 Taniguchi ..... D13/103  
 D922,939 S \* 6/2021 Ye ..... D13/103  
 D922,940 S \* 6/2021 Ye ..... D13/103  
 D924,791 S \* 7/2021 Yrad, Jr. .... D13/103  
 D924,793 S \* 7/2021 Qiu ..... D13/103  
 D924,794 S \* 7/2021 Kuang ..... D13/103  
 D924,795 S \* 7/2021 Zhong ..... D13/103  
 D925,442 S \* 7/2021 Howell ..... D13/103  
 D926,674 S \* 8/2021 Willey ..... D13/103  
 11,095,136 B2 \* 8/2021 Geng ..... H02J 7/02  
 D931,199 S \* 9/2021 Gallagher ..... D13/103  
 D931,801 S \* 9/2021 Timm ..... D13/103  
 11,126,804 B2 \* 9/2021 Huggins ..... H05K 5/0017  
 D935,996 S \* 11/2021 Okuda ..... D13/103  
 D937,760 S \* 12/2021 Chandrasekharan ..... D13/103  
 D937,761 S \* 12/2021 Chandrasekharan ..... D13/103  
 D940,648 S \* 1/2022 Taylor ..... D13/103  
 2016/0072106 A1 \* 3/2016 Baumgartner ..... H02J 7/00  
 320/113  
 2016/0240901 A1 \* 8/2016 Kondo ..... H01M 10/6235  
 2016/0241065 A1 \* 8/2016 Kondo ..... H01M 50/20  
 2017/0012272 A1 \* 1/2017 Naito ..... H01R 33/765  
 2018/0069208 A1 \* 3/2018 Rejman ..... H01M 50/24  
 2018/0198101 A1 \* 7/2018 Sheeks ..... H02J 7/0091  
 2018/0198292 A1 \* 7/2018 Lee ..... H01M 10/46  
 2018/0198293 A1 \* 7/2018 Osborne ..... H01M 10/441  
 2019/0280501 A1 \* 9/2019 Kondo ..... H02J 7/007194  
 2019/0312242 A1 \* 10/2019 Barton ..... B25F 5/02  
 2020/0127339 A1 \* 4/2020 Nakano ..... H01M 50/247  
 2020/0176731 A1 \* 6/2020 Taga ..... H01M 10/482  
 2020/0227695 A1 \* 7/2020 Jones ..... H01M 10/4257  
 2020/0321576 A1 \* 10/2020 Nagahama ..... H01M 50/20  
 2020/0350635 A1 \* 11/2020 Counts ..... H01M 50/54  
 2020/0395641 A1 \* 12/2020 Suzuki ..... H01M 10/0463  
 2021/0083237 A1 \* 3/2021 Cherry ..... B25F 5/02  
 2021/0143506 A1 \* 5/2021 Bhuiyan ..... H01M 50/247  
 2021/0305661 A1 \* 9/2021 Gyoda ..... H01M 50/519  
 2021/0328280 A1 \* 10/2021 Cruise ..... H01M 50/284

\* cited by examiner

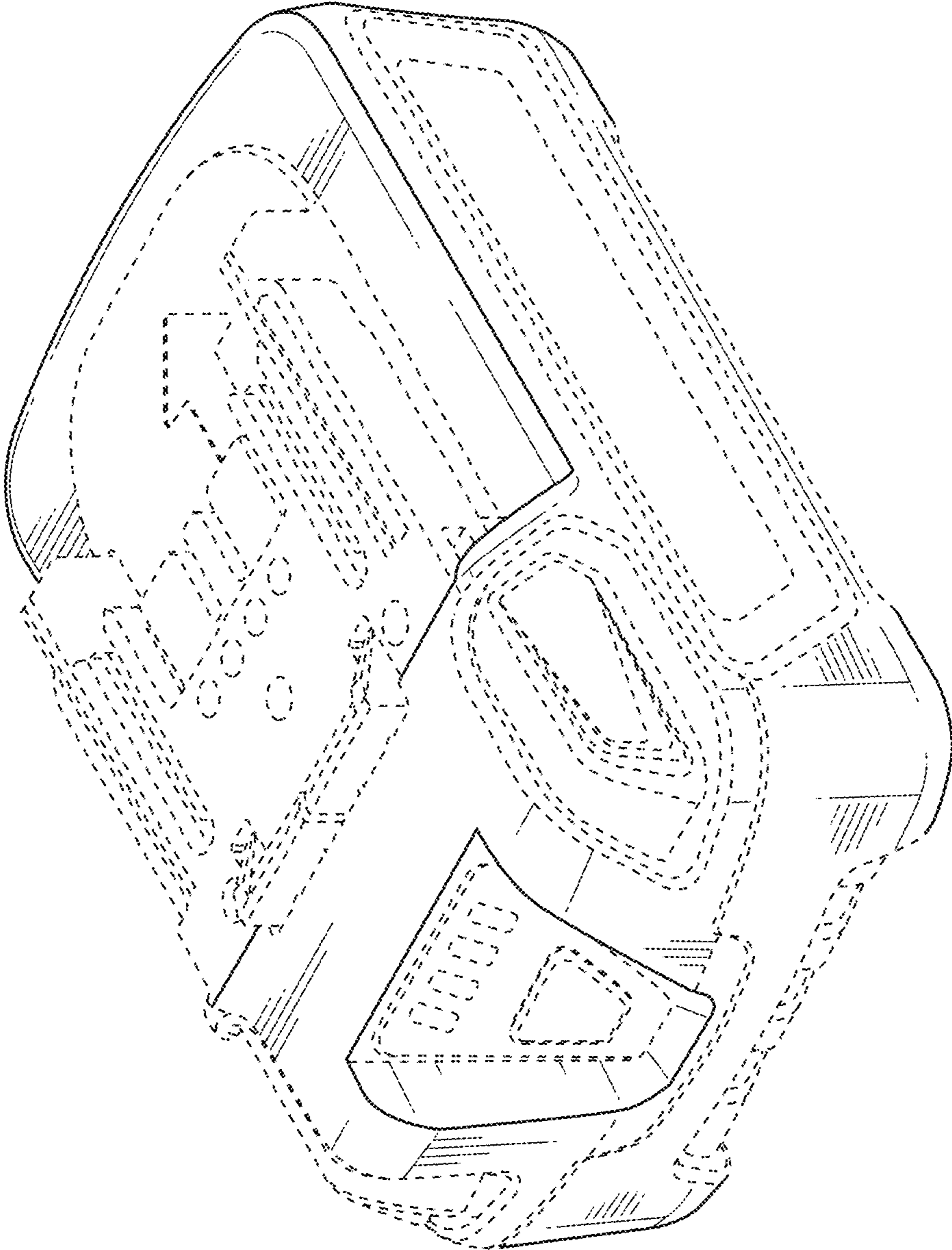


FIG. 1

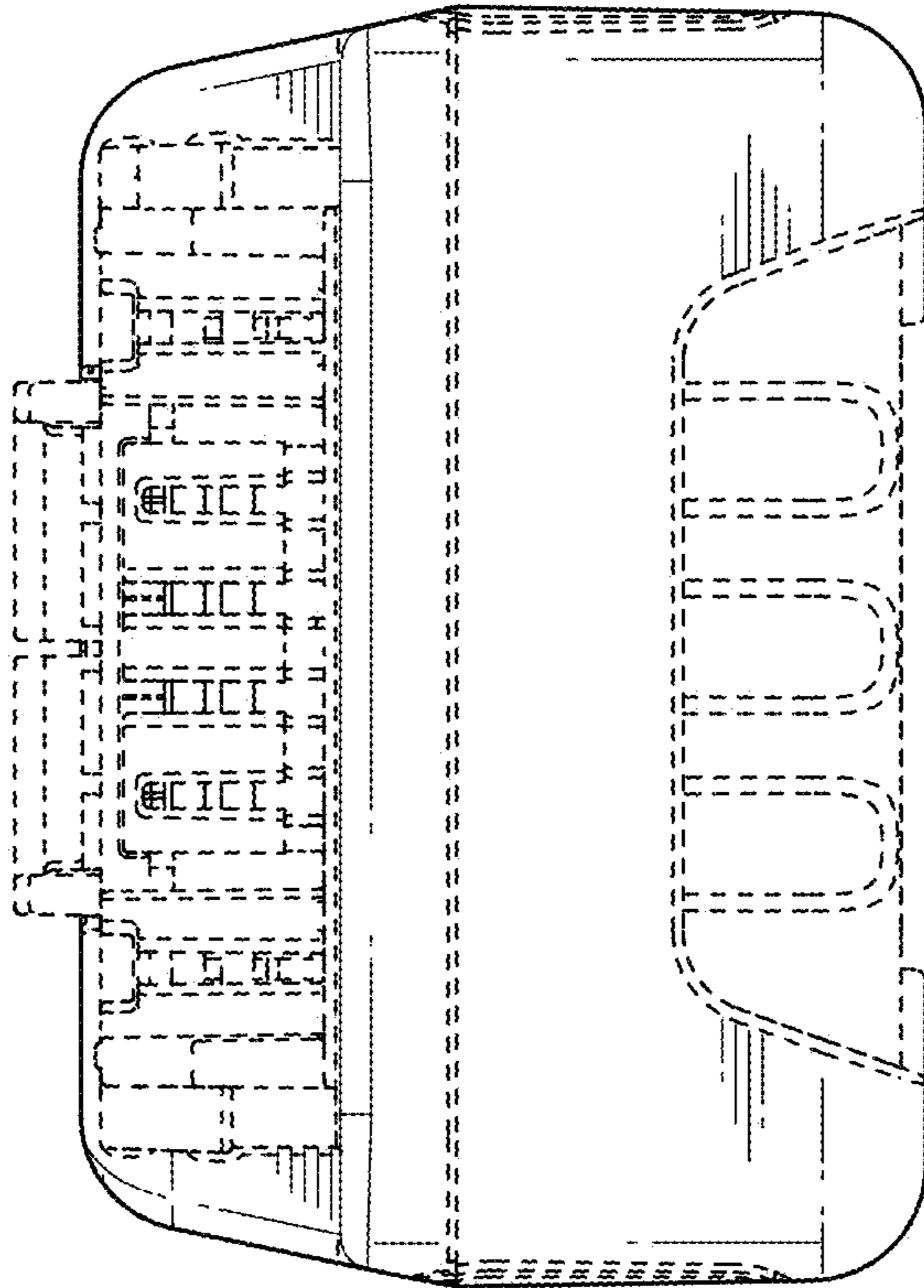


FIG. 2

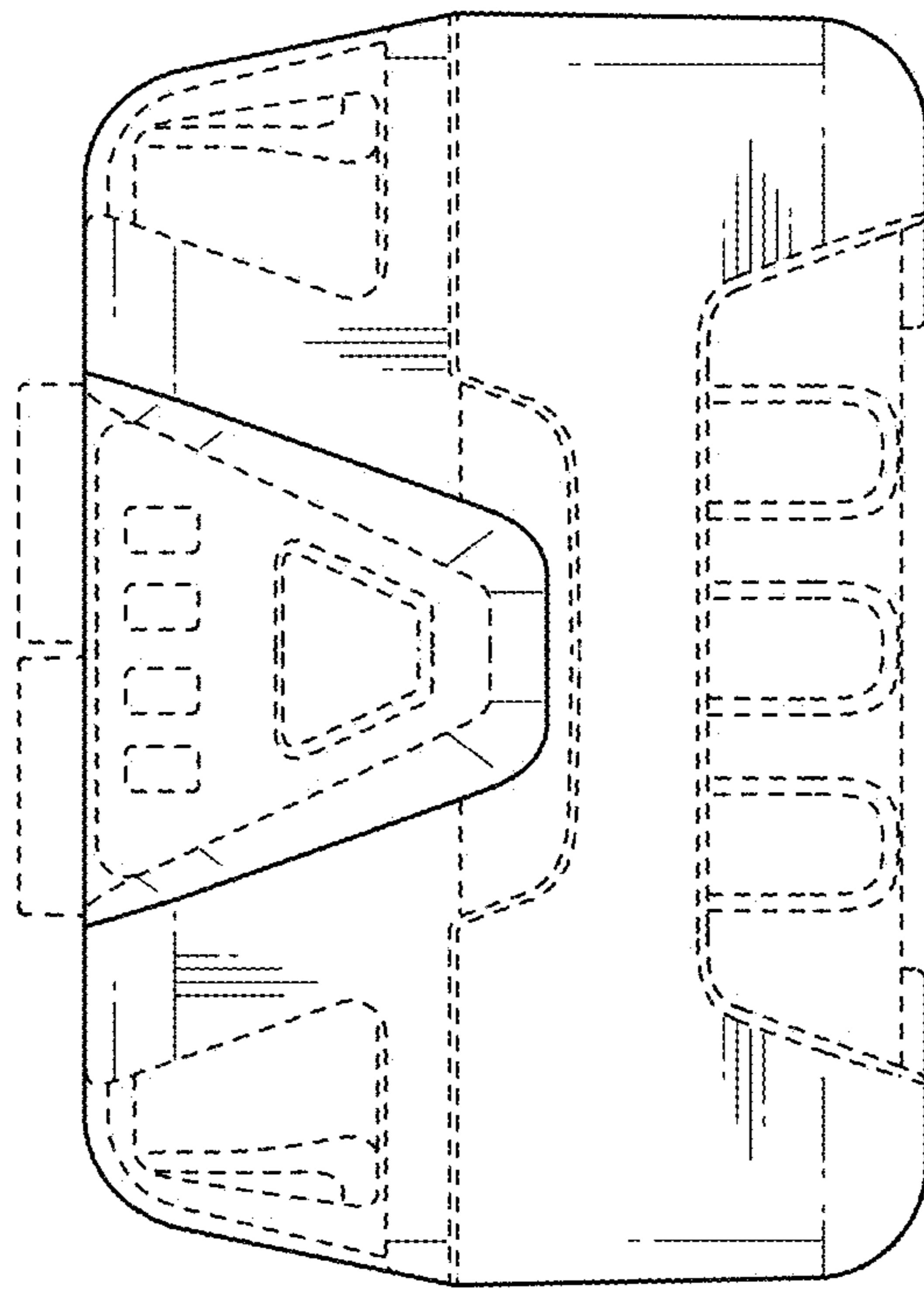


FIG. 3

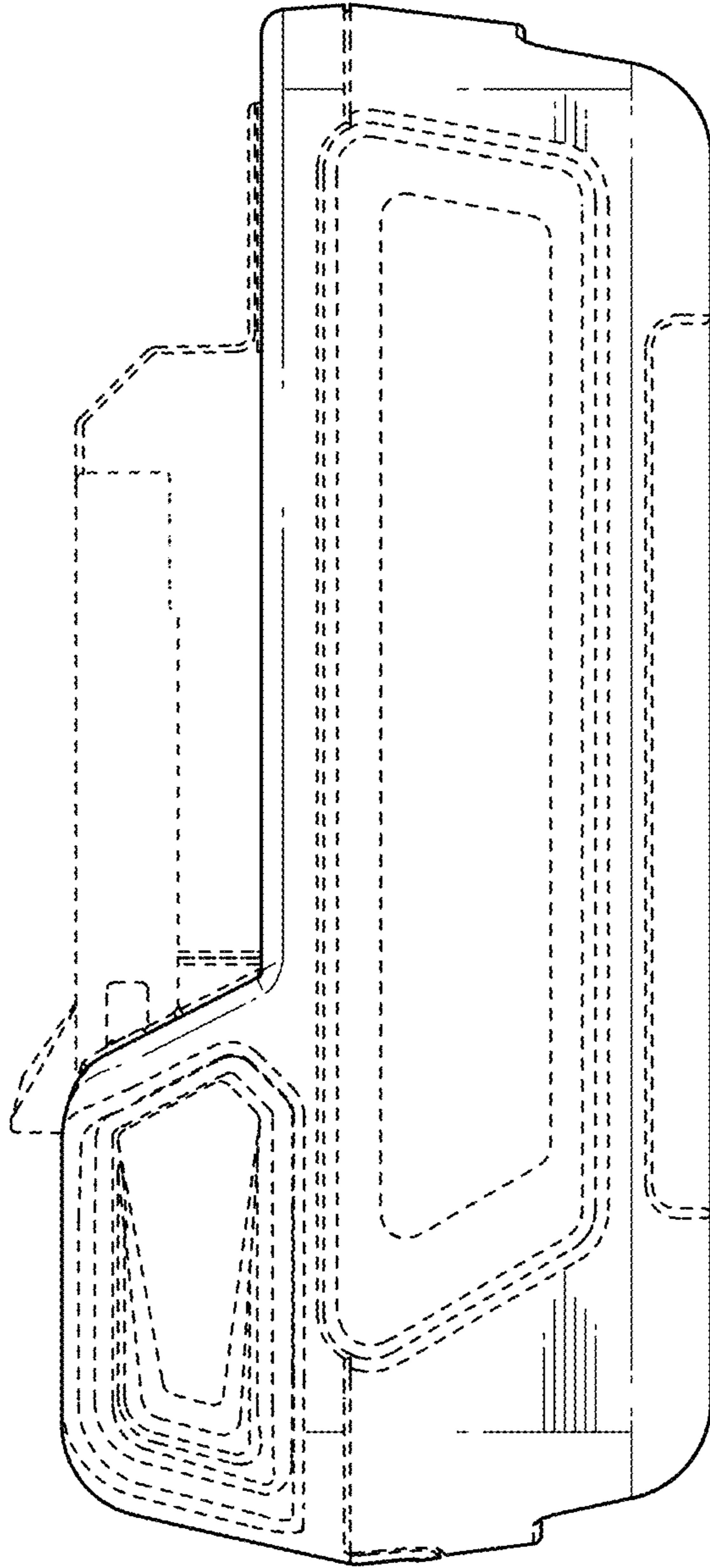


FIG. 4

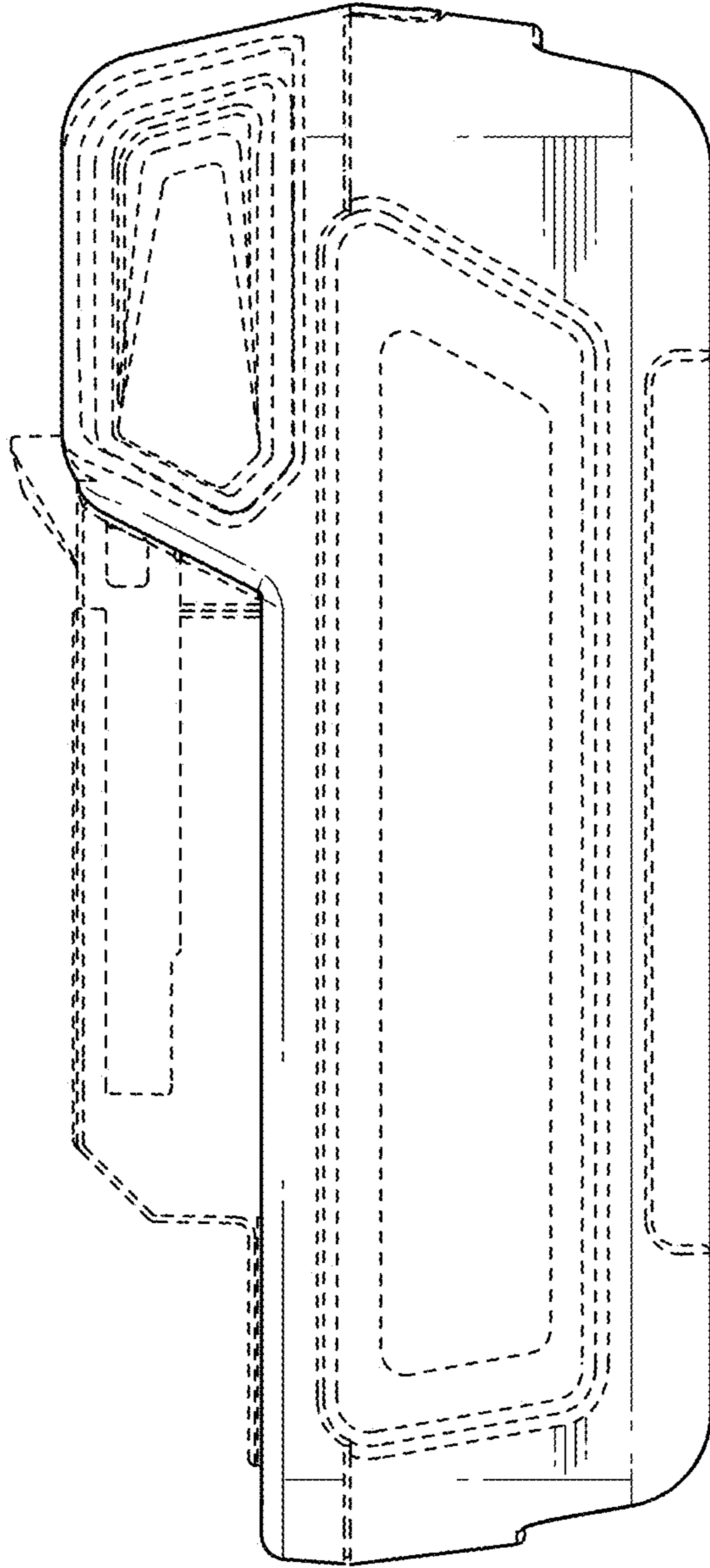


FIG. 5

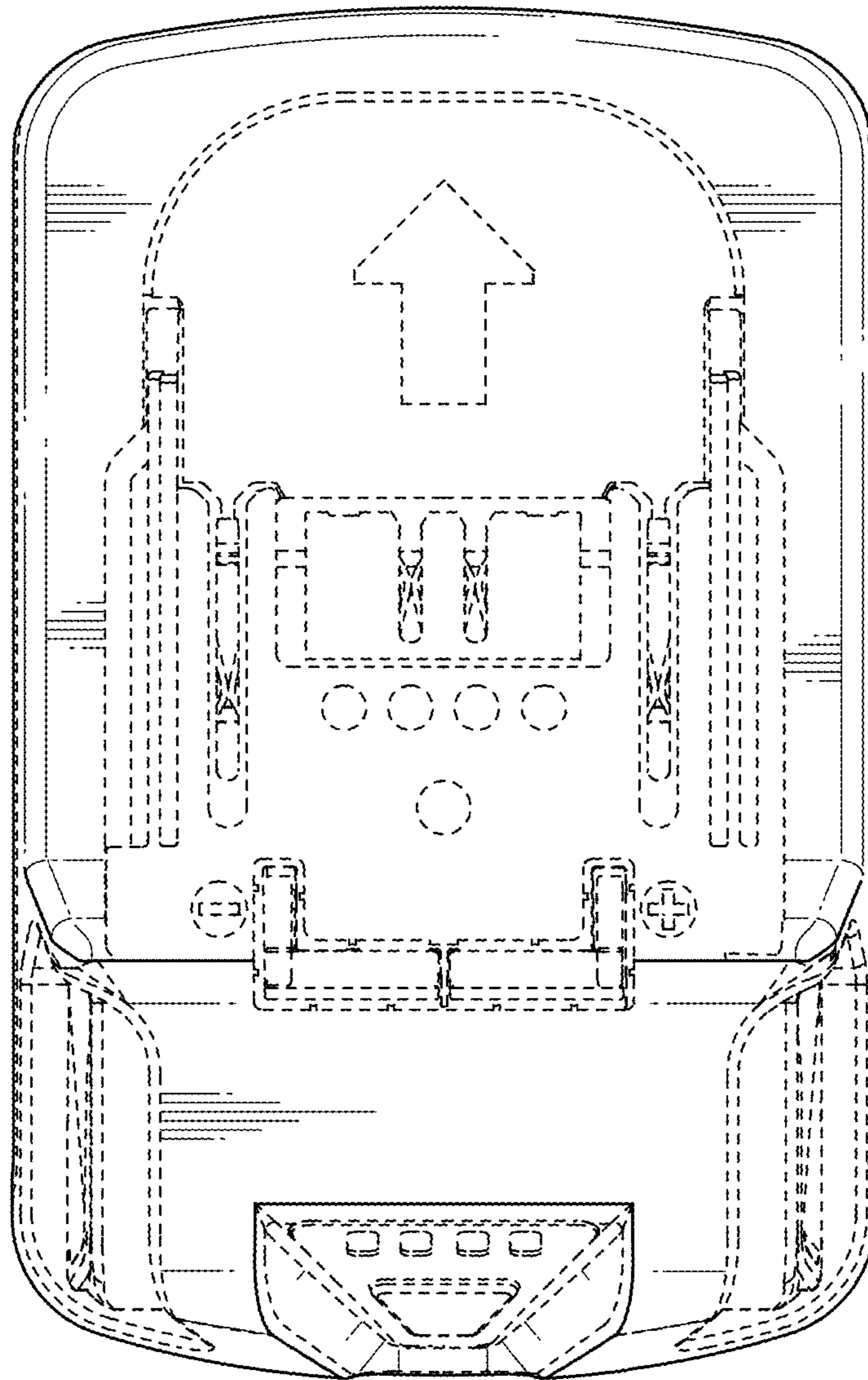


FIG. 6



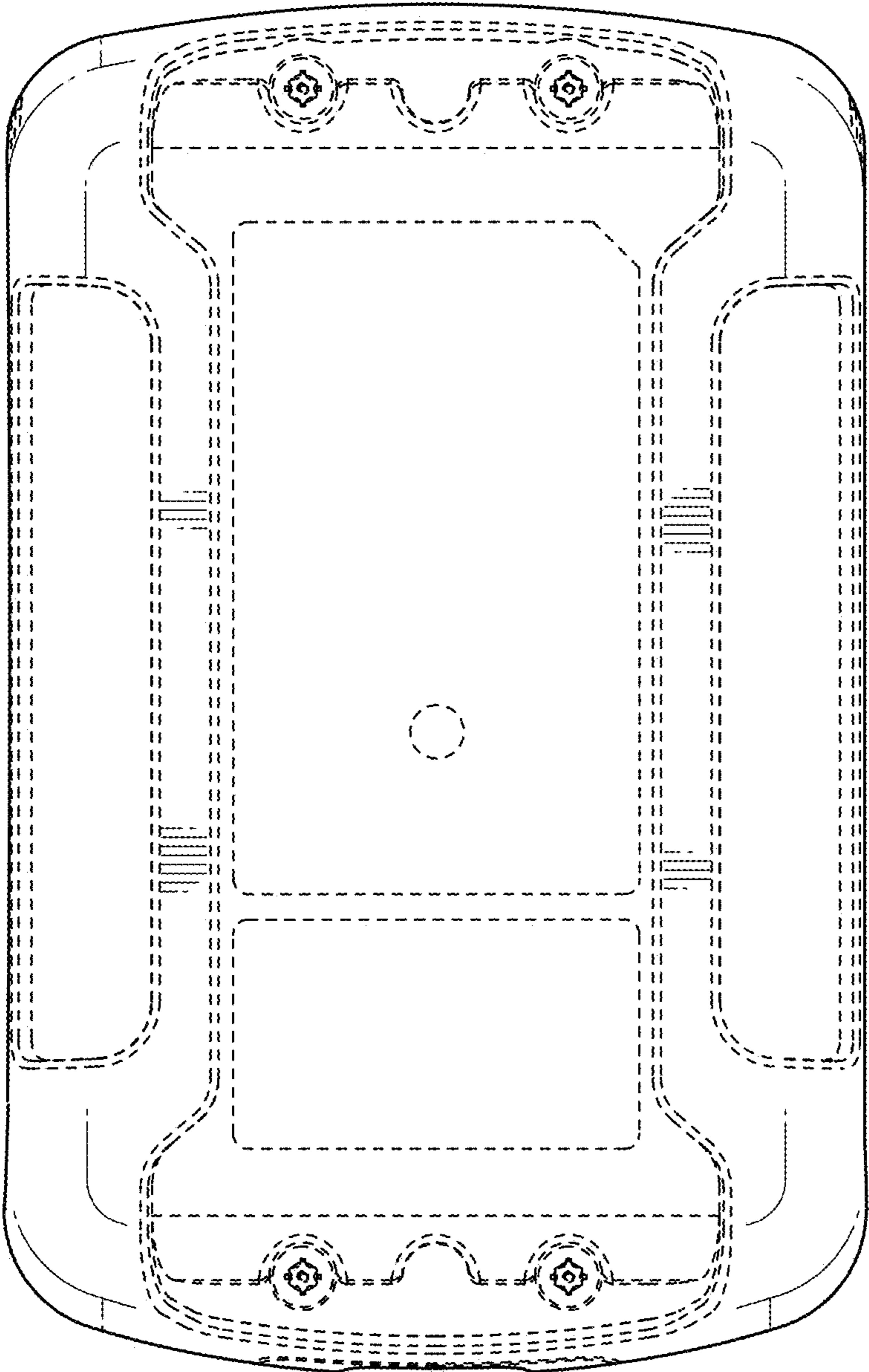


FIG. 7