



US00D829213S

(12) **United States Design Patent** (10) **Patent No.:** **US D829,213 S**
Szeremeta et al. (45) **Date of Patent:** **** *Sep. 25, 2018**

(54) **RUGGEDIZED ENCLOSURE FOR A DATA STORAGE DEVICE**

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(*) Notice: This patent is subject to a terminal disclaimer.

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

(21) Appl. No.: **29/613,711**

(22) Filed: **Aug. 11, 2017**

Related U.S. Application Data

(63) Continuation of application No. 29/505,661, filed on Dec. 23, 2015, now Pat. No. Des. 795,874, which is (Continued)

(51) **LOC (11) Cl.** **14-02**

(52) **U.S. Cl.**
USPC **D14/432; D3/273**

(58) **Field of Classification Search**
USPC D14/432, 440, 300-302, 314, 348-370, D14/383-385, 435, 474, 478, 483, 496, D14/125, 135, 155, 240-242, 299; D3/273, 201, 205, 218, 276, 282, 293, D3/294, 318, 321; D28/76, 78, 83, 84; D99/28, 43, 99

(Continued)

(56) **References Cited**

U.S. PATENT DOCUMENTS

3,016,177 A 1/1962 Chaplin
3,167,322 A 1/1965 Aichroth
(Continued)

OTHER PUBLICATIONS

Advisory Action dated Jan. 22, 2014 from U.S. Appl. No. 13/430,455, 3 pages.

(Continued)

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(57) **CLAIM**

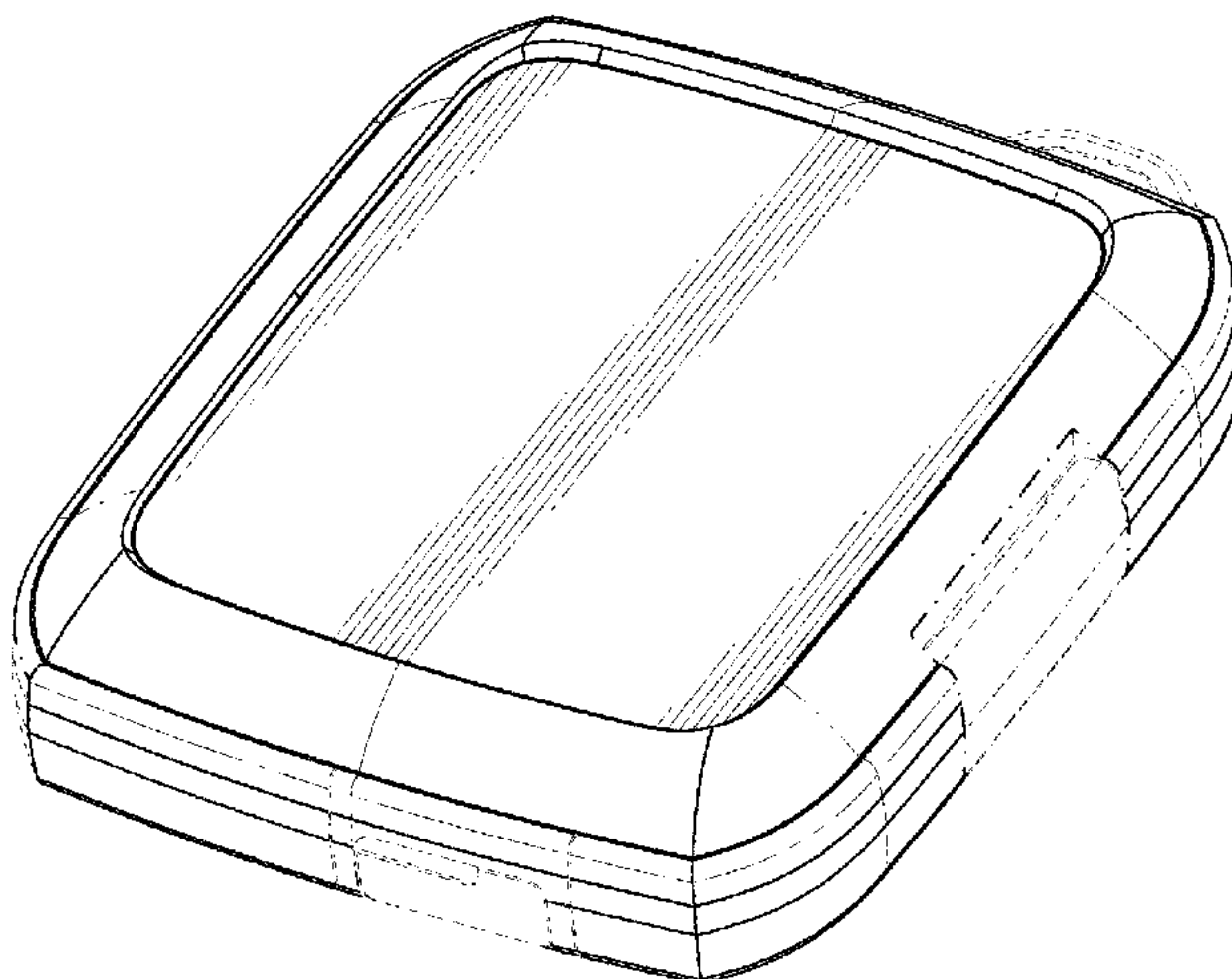
The ornamental design for a ruggedized enclosure for a data storage device, as shown and described.

DESCRIPTION

FIG. 1 is a top perspective view of a ruggedized enclosure for a data storage device embodying the new design; FIG. 2 is a top view thereof; FIG. 3 is a bottom view thereof; FIG. 4 is a first side view thereof; FIG. 5 is a second side view thereof; FIG. 6 is a front view thereof; and, FIG. 7 is a back view thereof.

Broken lines are used to illustrate features of the ruggedized enclosure for a data storage device which form no part of the claimed design. The broken lines consisting of a dash and a dot define the boundary of the claim, which extends to the boundary, but does not include the boundary.

1 Claim, 5 Drawing Sheets



Related U.S. Application Data

a continuation-in-part of application No. 13/308,410, filed on Nov. 30, 2011.

- (58) **Field of Classification Search**
 CPC ... G11B 33/027; G11B 33/122; G11B 33/124;
 H05K 5/00; H05K 5/0213; H05K 5/04;
 G06F 1/1628; G06F 1/184; G06F 1/187;
 B65D 2585/00; B65D 2585/68; B65D
 2585/6835; B65D 2585/6837; A45C
 13/002; A45C 2013/025; A45C 2011/188
 See application file for complete search history.

(56) **References Cited**

U.S. PATENT DOCUMENTS

3,531,040 A 9/1970 Myny
 3,710,733 A 1/1973 Story
 3,938,661 A 2/1976 Carmody
 4,158,757 A 6/1979 Reichert et al.
 D268,380 S 3/1983 Thiele
 4,854,476 A 8/1989 Serio, Jr.
 4,866,934 A 9/1989 Limdstedt
 4,910,882 A 3/1990 Goller
 D309,832 S 8/1990 Hung
 5,045,636 A 9/1991 Johnsen et al.
 5,088,084 A 2/1992 Komiya et al.
 5,117,952 A 6/1992 Suh
 D335,896 S * 5/1993 Evenson D19/83
 5,223,996 A 6/1993 Read et al.
 5,293,282 A 3/1994 Squires et al.
 5,422,766 A 6/1995 Hack et al.
 5,491,608 A 2/1996 Koyanagi et al.
 5,535,092 A 7/1996 Bang
 5,641,068 A 6/1997 Warner
 5,703,734 A 12/1997 Berberich et al.
 5,793,566 A 8/1998 Scura et al.
 D405,957 S 2/1999 Test
 D418,977 S * 1/2000 Streich D3/273
 D419,059 S * 1/2000 Charriez D9/624
 D419,297 S 1/2000 Richardson et al.
 D422,573 S 4/2000 Takano et al.
 6,073,770 A 6/2000 Park
 D436,958 S 1/2001 Chen
 6,222,727 B1 4/2001 Wu
 D446,650 S 8/2001 Chen
 6,347,021 B2 2/2002 Kazmierczak et al.
 6,460,859 B1 10/2002 Hammi et al.
 D471,911 S 3/2003 Takiguchi
 D477,714 S * 7/2003 Cunningham D3/273
 D477,912 S * 8/2003 Cunningham D3/273
 D481,868 S * 11/2003 Cunningham D3/273
 6,739,452 B2 5/2004 Rochelo
 6,749,446 B2 6/2004 Nechilailo
 6,832,444 B1 12/2004 MacNeil
 6,840,381 B2 1/2005 Stephens
 6,845,006 B2 1/2005 Kobayashi
 D502,316 S 3/2005 Chen
 6,891,723 B1 5/2005 Lin et al.
 6,896,134 B2 5/2005 Russell et al.
 D506,064 S 6/2005 Keegan et al.
 D511,774 S 11/2005 Tanio
 6,968,954 B2 11/2005 Hsieh
 6,969,548 B1 11/2005 Goldfine
 D516,807 S 3/2006 Richardson
 D516,808 S * 3/2006 Brunson D3/273
 D517,317 S 3/2006 Singh
 D532,785 S 11/2006 Lo et al.
 D534,909 S 1/2007 Weiher et al.
 7,156,401 B2 1/2007 Merklein et al.
 D548,971 S 8/2007 Lin
 D552,352 S * 10/2007 Lin D3/294
 D555,357 S 11/2007 Hsieh
 D555,902 S * 11/2007 Pendergraph D3/273
 7,306,159 B1 12/2007 Rocheo
 D565,298 S 4/2008 Braun

7,362,541 B2 4/2008 Bernett et al.
 D569,616 S 5/2008 Lin
 7,430,116 B2 9/2008 Liu
 7,475,816 B1 1/2009 Rochelo
 D587,267 S 2/2009 Wang
 7,500,561 B2 * 3/2009 Matias A45C 13/02
 206/320
 7,520,389 B2 4/2009 Lalouette
 7,584,851 B2 9/2009 Hong et al.
 D609,701 S 2/2010 Hou
 7,701,705 B1 4/2010 Szeremeta
 D617,557 S 6/2010 Molina et al.
 7,810,639 B2 10/2010 Djulaini et al.
 7,886,903 B1 2/2011 Wurzelbacher, Jr. et al.
 D645,251 S 9/2011 Lee
 D645,663 S * 9/2011 Henley D3/294
 D646,272 S 10/2011 Woo et al.
 8,064,194 B2 11/2011 Szereneta
 8,113,873 B1 2/2012 Sarraf
 8,133,426 B1 3/2012 Yurcheno et al.
 D668,866 S 10/2012 Meng
 D674,393 S 1/2013 Behar
 8,358,395 B1 1/2013 Szeremeta
 D677,464 S 3/2013 Taylor
 8,417,979 B2 4/2013 Maroney
 8,462,460 B1 6/2013 Szeremeta et al.
 8,498,088 B1 7/2013 Klein
 D691,801 S * 10/2013 Lin D3/282
 8,547,658 B1 10/2013 Szeremeta
 D694,759 S 12/2013 Chang
 D698,779 S * 2/2014 Kaula D14/341
 D717,048 S * 11/2014 Meng D3/294
 D729,520 S 5/2015 Koeniger
 D740,809 S 10/2015 Kwon
 D749,846 S 2/2016 Koeniger
 D753,917 S 4/2016 Koeniger
 D758,065 S 6/2016 Zwetzig
 D773,184 S * 12/2016 Ko D3/274
 D789,086 S * 6/2017 Lin D3/294
 D795,874 S * 8/2017 Szeremeta D14/432
 D805,774 S * 12/2017 Sun D3/294
 D805,775 S * 12/2017 Tsai D3/298
 9,892,762 B1 2/2018 Szeremeta et al.
 2002/0114104 A1 8/2002 Heam et al.
 2004/0144671 A1 * 7/2004 Hallee B25H 3/003
 206/373
 2005/0093246 A1 5/2005 Dietle et al.
 2005/0115860 A1 6/2005 Mertz et al.
 2005/0150961 A1 7/2005 Porter
 2006/0065557 A1 * 3/2006 Brunson B25H 3/003
 206/273
 2006/0076253 A1 4/2006 Hong et al.
 2006/0087763 A1 4/2006 Chua et al.
 2006/0158775 A1 7/2006 Sega et al.
 2006/0243617 A1 * 11/2006 Brunson B25H 3/003
 206/349
 2007/0036349 A1 2/2007 Yang et al.
 2008/0017537 A1 * 1/2008 Inskeep A45C 5/03
 206/350
 2008/0062636 A1 3/2008 Liu
 2009/0009945 A1 1/2009 Johnson et al.
 2009/0161309 A1 6/2009 Yang
 2010/0238623 A1 9/2010 Pan
 2011/0057392 A1 3/2011 Monnet et al.
 2013/0062468 A1 3/2013 Yokoi
 2013/0075292 A1 * 3/2013 Hsu B25H 3/02
 206/349
 2015/0136763 A1 * 5/2015 Chou B25H 3/02
 220/4.21
 2015/0251309 A1 * 9/2015 Chao-Ming B25H 3/025
 206/372

OTHER PUBLICATIONS

Advisory Action dated Jul. 3, 2014 from U.S. Appl. No. 13/308,423, 3 pages.
 Advisory Action dated Dec. 10, 2014 from U.S. Appl. No. 13/308,410, 3 pages.

(56)

References Cited

OTHER PUBLICATIONS

Advisory Action dated Jan. 7, 2014 from U.S. Appl. No. 13/308,410, 3 pages.
Examiner's Answer to Appeal Brief dated Jun. 30, 2015 from U.S. Appl. No. 13/308,410, 11 pages.
Final Office Action dated Nov. 7, 2013 from U.S. Appl. No. 13/430,455, 9 pages.
Final Office Action dated Apr. 16, 2014 from U.S. Appl. No. 13/308,423, 15 pages.
Interview Summary dated Apr. 4, 2013 from U.S. Appl. No. 13/430,455, 3 pages.
Office Action dated Feb. 6, 2013 from U.S. Appl. No. 13/430,455, 7 pages.
Office Action dated Jun. 25, 2014 from U.S. Appl. No. 13/43,455, 12 pages.
Office Action dated Nov. 27, 2012 from U.S. Appl. No. 13/430,455, 13 pages.
Office Action dated Dec. 23, 2013 from U.S. Appl. No. 13/308,423, 29 pages.
Office Action dated Jul. 12, 2013 from U.S. Appl. No. 13/430,455, 14 pages.
Office Action dated Feb. 6, 2013 from U.S. Appl. No. 13/308,410, 7 pages.

Office Action dated Jul. 11, 2014 from U.S. Appl. No. 13/308,410, 9 pages.
Office Action dated Jul. 15, 2013 from U.S. Appl. No. 13/308,410, 6 pages.
Office Action dated Nov. 15, 2012 from U.S. Appl. No. 13/308,410, 7 pages.
Office Action dated Nov. 5, 2013 from U.S. Appl. No. 13/308,410, 8 pages.
Office Action dated Oct. 24, 2014 from U.S. Appl. No. 13/308,410, 8 pages.
WD Nomad Rugged Case. amazon.com. (Online Image) 1 pg. By Margie on Aug. 10, 2012. [retrieved on Jan. 8, 2017] <https://www.amazon.com/Western-Digital-WDBGRD0000NBK-NASN-Nomad-Rugged/dp/B00505EZZ6>.
WD Nomad Rugged Case. amazon.com. (Online Image) 1 pg. Posted by Jay115 "Jay" Mar. 14, 2013. [retrieved on Jan. 8, 2017] <https://www.amazon.com/Western-Digital-WDBGRD0000NBK-NASN-Nomad-Rugged/dp/B00505EZZ6>.
Western Digital Noamd im Hartetest a la Caschy, stadt-bremerhaven.de, (online) 7 pgs. Posted Sep. 2011. [retrieved on Jan. 8, 2017] <http://stadt-bremerhaven.de/western-digital-nomad-im-haertetest-a-la-caschy-video-inside/>.

* cited by examiner

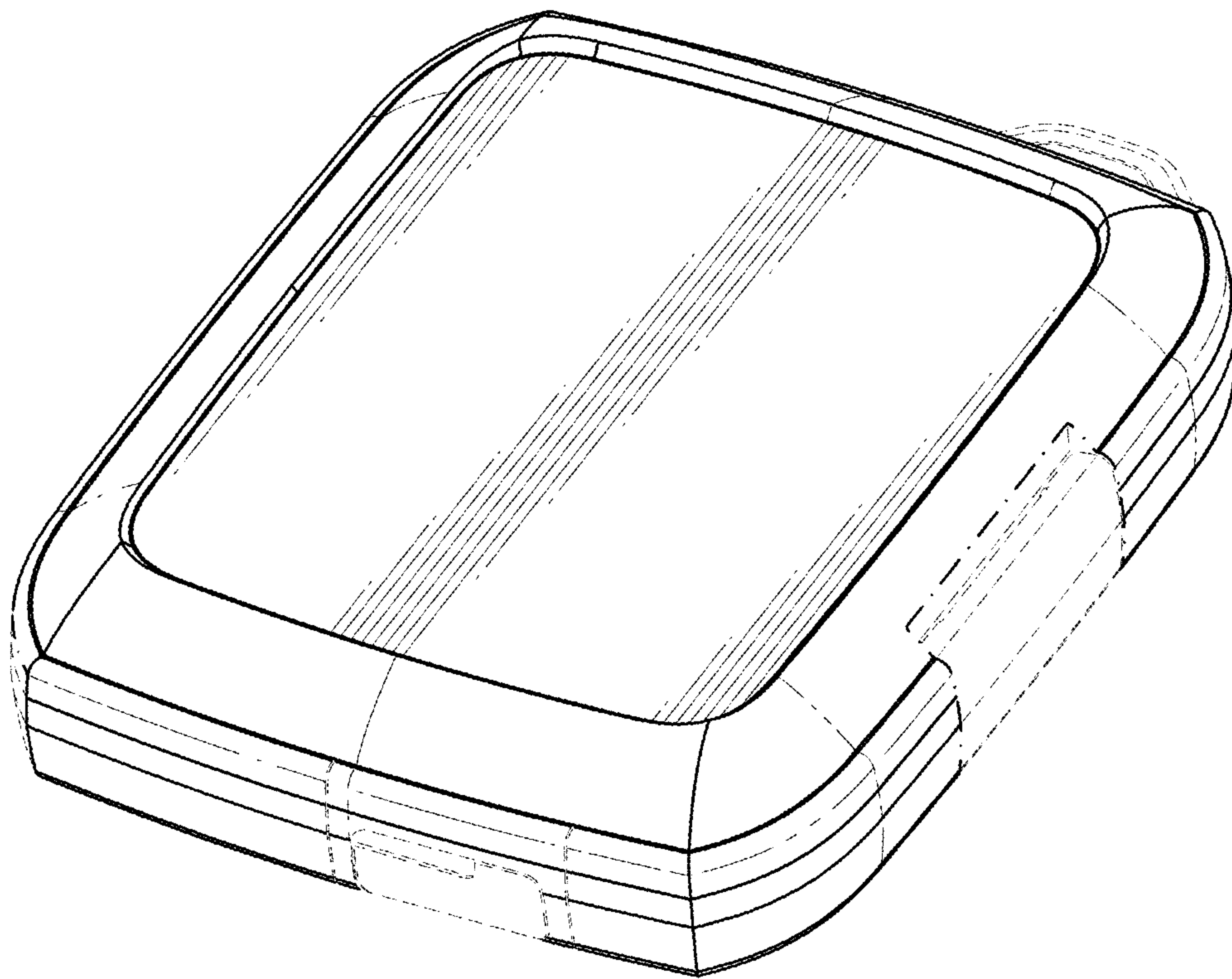


FIG. 1

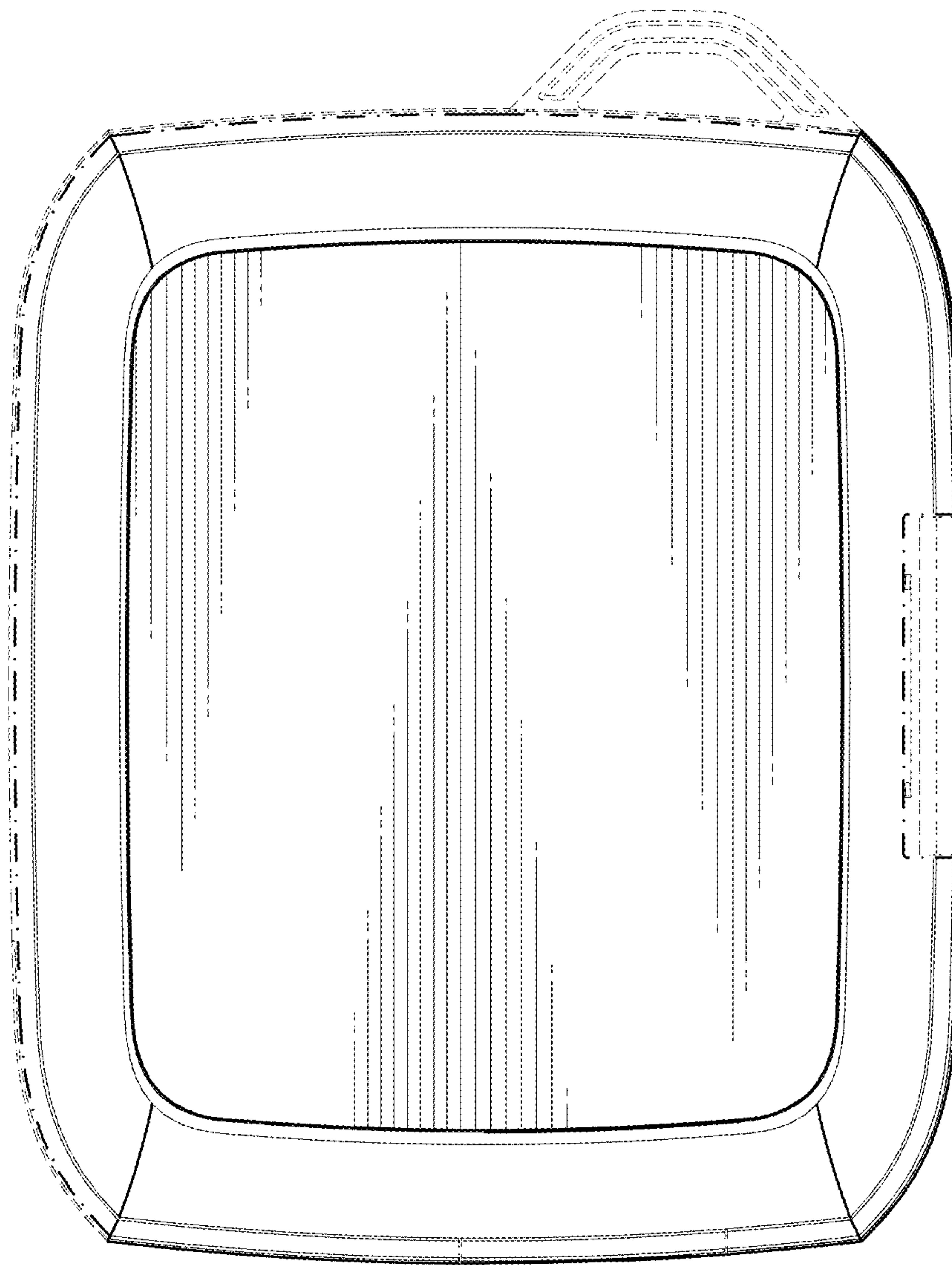


FIG. 2

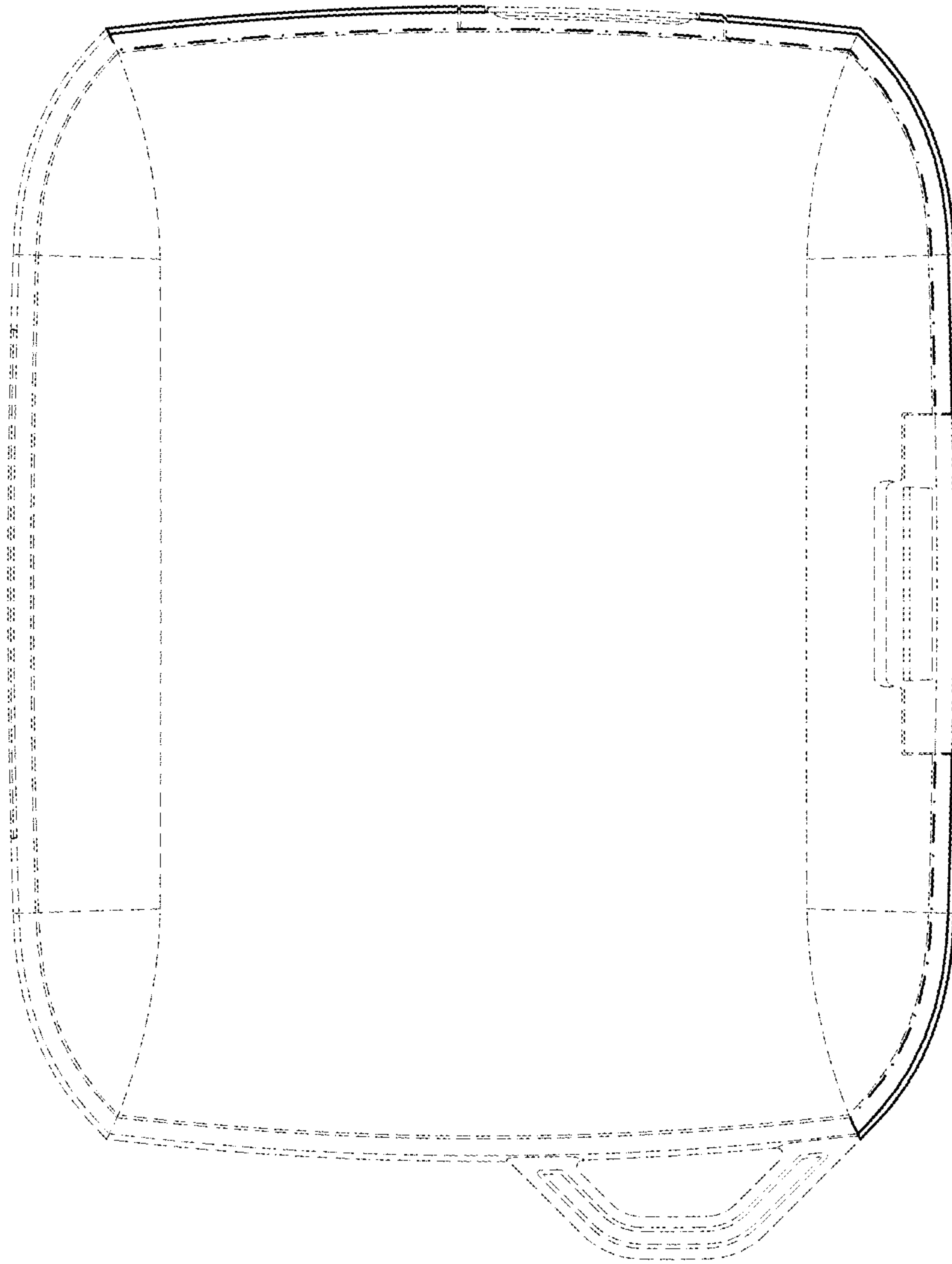


FIG. 3

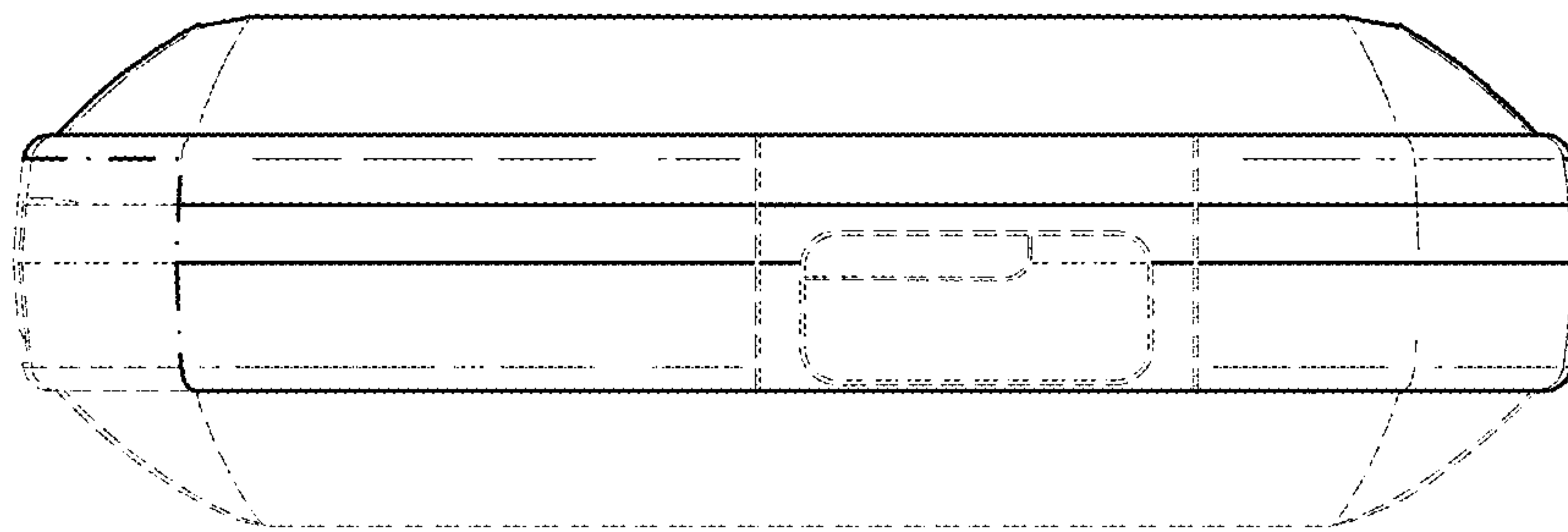


FIG. 4

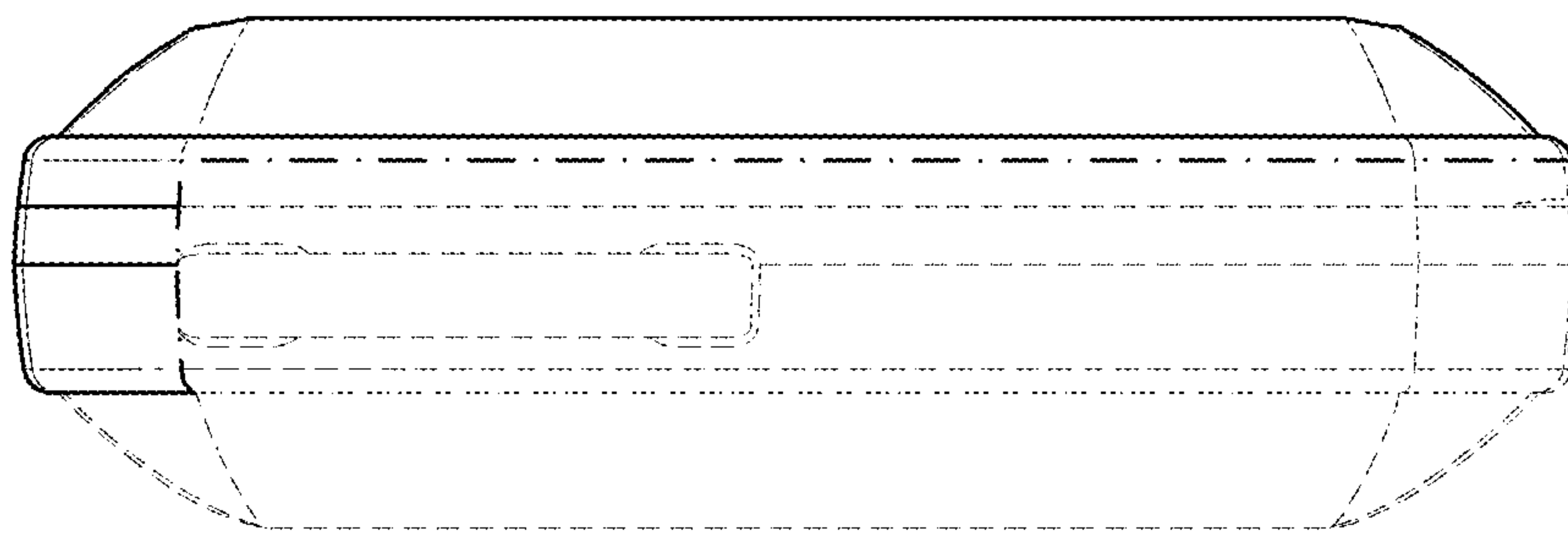


FIG. 5

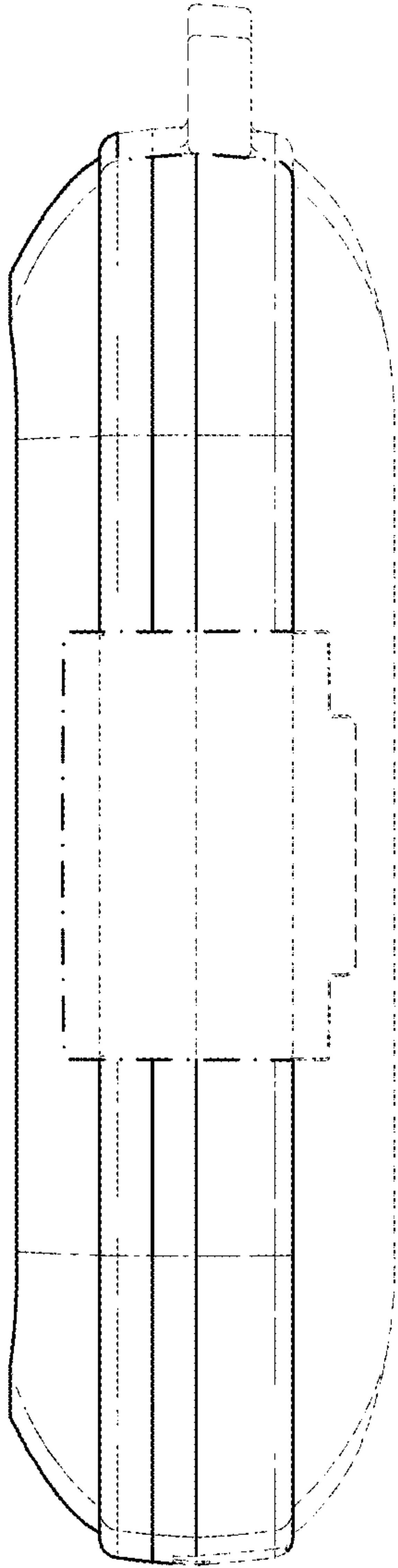


FIG. 6

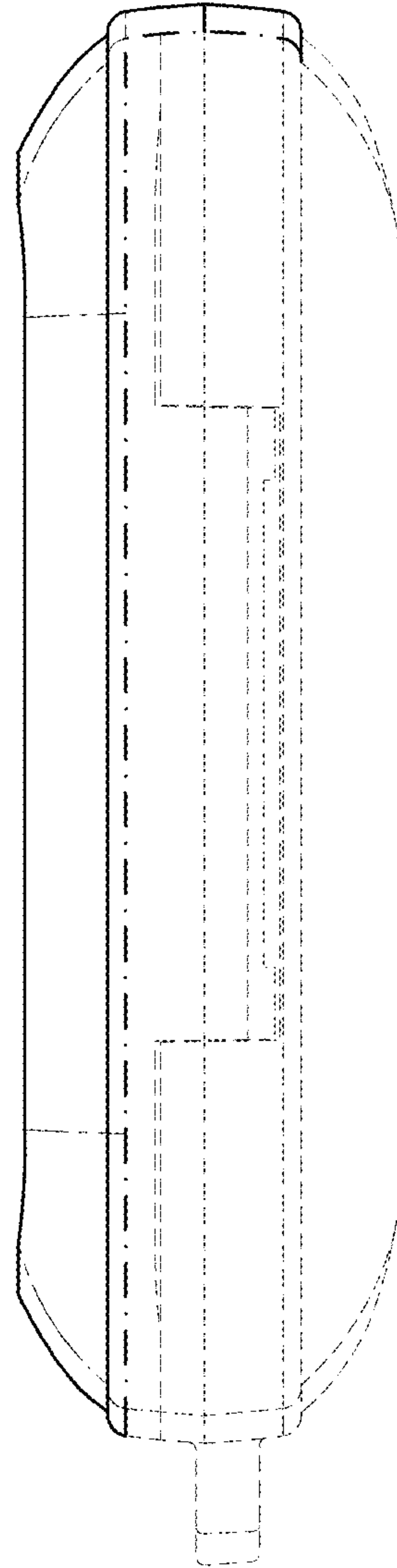


FIG. 7