

US00D977477S

(12)

United States Design Patent

Peng et al.

(10) Patent No.: US D977,477 S

(45) Date of Patent: ** Feb. 7, 2023

- (54) STORAGE DEVICE
- (71) Applicant: Western Digital Technologies, Inc.,
San Jose, CA (US)
- (72) Inventors: Steven T. Peng, Irvine, CA (US); Mark
Sterzick, Torrance, CA (US)
- (73) Assignee: Western Digital Technologies, Inc.,
San Jose, CA (US)
- (**) Term: 15 Years
- (21) Appl. No.: 29/830,184
- (22) Filed: Mar. 10, 2022

Related U.S. Application Data

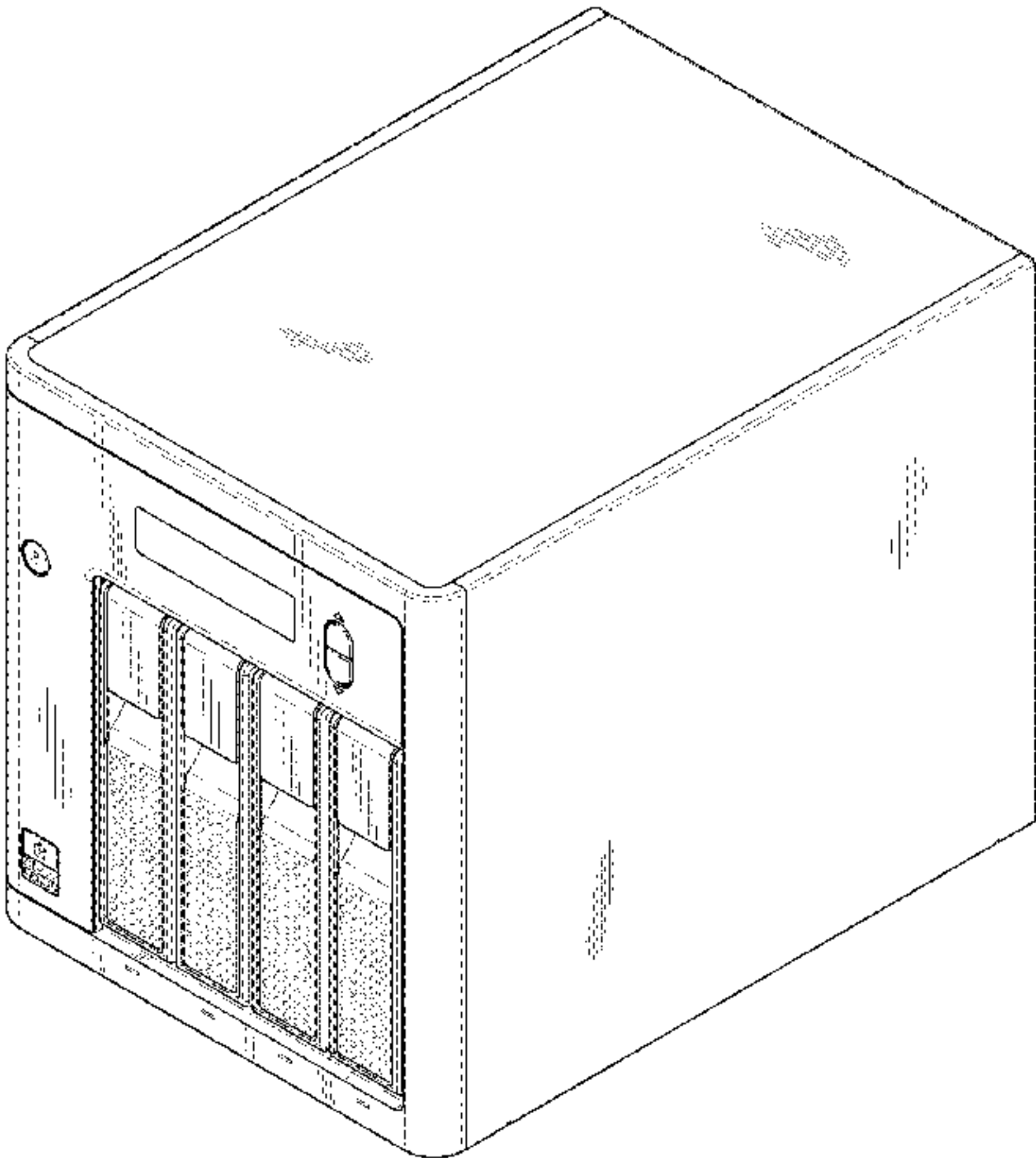
- (62) Division of application No. 29/671,737, filed on Nov.
29, 2018, now Pat. No. Des. 949,149, which is a
division of application No. 29/566,048, filed on May
26, 2016, now Pat. No. Des. 837,211, which is a
division of application No. 29/507,576, filed on Oct.
29, 2014, now Pat. No. Des. 760,222.
- (51) LOC (14) Cl. 14-02
- (52) U.S. Cl.
USPC D14/358
- (58) Field of Classification Search
USPC D14/300–302, 314, 348–370, 383–385,
D14/435, 496, 125, 135, 155, 240–242,
D14/299; D13/103, 119, 162, 184, 199,
D13/147, 158, 123; D10/65, 75, 78;
D9/432; D3/273
CPC ... H01R 4/32; H01R 4/60; H01R 4/36; H01R
11/12; H01R 4/363; H01R 4/366; H01R
4/301; G11B 33/027; G11B 33/122;
G11B 33/124; G11B 33/022; G11B
33/025
See application file for complete search history.

References Cited

U.S. PATENT DOCUMENTS

- 2,438,108 A 3/1948 Barler et al.
- D179,493 S 1/1957 Sackler
- D210,588 S 3/1968 Mazza
- D224,320 S 7/1972 Davis et al.
- D226,565 S 3/1973 Klepa et al.

- D243,959 S 4/1977 Clayton et al.
- D250,019 S 10/1978 Pycha et al.
- D278,710 S 5/1985 Shimizu et al.
- 4,596,436 A 6/1986 Kraemer et al.
- D295,976 S 5/1988 Aremka et al.
- 4,754,397 A 6/1988 Varaiya et al.
- 4,786,121 A 11/1988 Lyons
- D304,323 S 10/1989 Cranston, III et al.
- D309,602 S 7/1990 Makidera
- D310,354 S 9/1990 Moriconi et al.
- D314,189 S 1/1991 Horie
- D315,550 S 3/1991 Hill
- D315,551 S 3/1991 Aderman
- D316,546 S 4/1991 Pedinielli et al.
- D318,860 S 8/1991 Sawatani et al.
- D322,779 S 12/1991 Ito et al.
- D335,285 S 5/1993 Utsuki et al.
- D337,576 S 7/1993 Sharp
- D337,760 S 7/1993 Schneider
- 5,248,193 A 9/1993 Schlemmer
- D345,964 S 4/1994 Hultgren et al.
- 5,301,346 A 4/1994 Notarianni et al.
- D350,333 S 9/1994 Sharp
- 5,373,489 A 12/1994 Sato et al.
- D360,879 S 8/1995 Gronwall
- D374,216 S 10/1996 Paul
- D374,965 S 10/1996 Utsuki et al.
- D377,785 S 2/1997 Rybarczyk et al.
- D379,351 S 5/1997 Armstrong et al.
- D380,200 S 6/1997 Hill et al.
- D386,154 S 11/1997 Lee
- 5,684,671 A 11/1997 Hobbs et al.
- D390,202 S 2/1998 Goto
- D392,622 S 3/1998 Lee
- D393,632 S 4/1998 Sherry
- D395,424 S 6/1998 Nakayama et al.
- D399,191 S 10/1998 Corrington et al.
- 5,822,184 A 10/1998 Rabinovitz
- D401,229 S 11/1998 Roehrs et al.
- 5,867,369 A 2/1999 Antonuccio et al.
- D409,171 S 5/1999 Wu
- D422,572 S 4/2000 Oura et al.
- D425,495 S 5/2000 Chiodo et al.
- 6,064,568 A 5/2000 Schmitt
- 6,065,076 A 5/2000 Sorenson
- D428,014 S 7/2000 Bostedt et al.
- 6,091,604 A 7/2000 Plougsgaard et al.
- D434,030 S 11/2000 Colprit et al.
- D435,559 S 12/2000 Tanaka
- D442,585 S 5/2001 Toussi et al.
- D454,872 S 3/2002 Tanaka
- D456,404 S 4/2002 Small et al.
- 6,450,597 B1 9/2002 Bell et al.



D464,644 S 10/2002 Ohwada et al.
 D465,465 S 11/2002 Chapman et al.
 6,480,398 B1 11/2002 Fiora et al.
 D470,132 S 2/2003 Smith
 D471,190 S 3/2003 Crisp et al.
 6,549,398 B2 4/2003 Chen
 D481,385 S 10/2003 Tanaka
 D481,388 S 10/2003 Tanaka
 D490,081 S 5/2004 Oura et al.
 D492,683 S 7/2004 Nishio et al.
 D497,162 S 10/2004 Neal et al.
 6,867,966 B2 3/2005 Smith et al.
 D510,349 S 10/2005 Kumano
 D530,287 S * 10/2006 Stolpe D13/164
 D538,569 S 3/2007 Jensen
 D543,542 S 5/2007 Ng et al.
 D545,306 S 6/2007 Lauffer et al.
 D549,702 S 8/2007 Kim et al.
 D551,652 S 9/2007 Nakamura
 D558,817 S 1/2008 Katayama
 D563,994 S 3/2008 Liu et al.
 D568,881 S 5/2008 Hsiau
 D575,290 S 8/2008 Kuang et al.
 D577,719 S 9/2008 Kobeli et al.
 D581,412 S 11/2008 Yang
 D584,251 S * 1/2009 Lewis, II D13/184
 D589,517 S 3/2009 Chien et al.
 D590,394 S 4/2009 Kondo
 D592,618 S * 5/2009 Lewis, II D13/184
 D592,649 S 5/2009 L'Henaff et al.
 D602,019 S 10/2009 Wang et al.
 D602,934 S 10/2009 Cao et al.
 7,599,176 B1 10/2009 Moisson
 D604,731 S 11/2009 Minehart et al.
 D606,066 S 12/2009 Lee
 D608,359 S 1/2010 Yu
 D609,232 S 2/2010 Wang et al.
 D611,049 S 3/2010 Kramer et al.
 D621,282 S 8/2010 Yagi
 D625,718 S 10/2010 Lee et al.
 D635,563 S 4/2011 Brusca et al.
 D641,364 S 7/2011 McParland
 D642,581 S 8/2011 McClelland, II et al.
 D645,042 S 9/2011 Lee et al.
 D647,523 S 10/2011 Su
 D647,902 S 11/2011 Kihl et al.
 8,198,553 B2 6/2012 Durst et al.
 8,215,727 B2 7/2012 Barrall et al.
 D665,596 S 8/2012 Shawcross et al.
 8,508,930 B2 8/2013 Peng et al.
 D689,050 S 9/2013 Chong et al.
 D695,289 S 12/2013 Yamazaki
 D707,224 S 6/2014 Bae et al.
 D707,667 S 6/2014 Kono et al.
 8,902,579 B1 12/2014 Lalouette
 D733,118 S 6/2015 Ng et al.
 D740,282 S 10/2015 Peng et al.
 D741,850 S 10/2015 Cheng et al.
 D750,033 S 2/2016 Privitera et al.
 D752,458 S 3/2016 Blanc-Tailleur
 9,337,674 B2 * 5/2016 Wang G06F 1/1632
 D760,222 S 6/2016 Peng et al.
 D760,647 S 7/2016 Chen
 D762,164 S 7/2016 Lin et al.
 D768,625 S 10/2016 Lucaci et al.
 D772,173 S 11/2016 Takano et al.
 9,503,436 B1 11/2016 Murphy et al.
 D773,215 S 12/2016 Kappler
 D778,843 S 2/2017 Gronqvist et al.
 D780,749 S 3/2017 Peng et al.
 D788,097 S 5/2017 Koike et al.

D790,453 S 6/2017 Tinius
 D795,215 S 8/2017 Huang et al.
 D801,291 S 10/2017 Gerber et al.
 D835,098 S 12/2018 Fu et al.
 D837,211 S 1/2019 Peng et al.
 D847,321 S * 4/2019 Murofushi D23/351
 10,355,502 B2 * 7/2019 Chen H02J 7/0013
 10,459,496 B2 10/2019 Hanna et al.
 D890,169 S * 7/2020 Liu D14/349
 10,835,035 B1 11/2020 Tsou
 D910,715 S * 2/2021 Li D14/203.1
 D911,990 S * 3/2021 Wu D13/184
 D936,000 S * 11/2021 Tyson D13/184
 D936,001 S * 11/2021 Tyson D13/184
 D939,598 S * 12/2021 Ishibashi D15/122
 D949,149 S 4/2022 Peng et al.
 2003/0026067 A1 2/2003 Rubenstein et al.
 2004/0001313 A1 1/2004 Yoshikara
 2005/0092727 A1 * 5/2005 Fraley G11B 33/128
 2011/0069436 A1 3/2011 Jian
 2012/0307456 A1 12/2012 Cao

OTHER PUBLICATIONS

U.S. Appl. No. 29/671,737 and its entire prosecution history, dated Nov. 29, 2018.

U.S. Appl. No. 29/470,544 and its entire prosecution history, dated Oct. 22, 2013.

U.S. Appl. No. 29/507,576 and its entire prosecution history, dated Oct. 29, 2014.

U.S. Appl. No. 29/538,882 and its entire prosecution history, dated Sep. 9, 2015.

U.S. Appl. No. 29/566,048 and its entire prosecution history, dated May 26, 2016.

Notice of Allowance dated Jun. 18, 2015 from U.S. Appl. No. 29/470,544, 7 pages.

Higgins, Tim, "New to the Charts" WO DX4000 Sentinel, <http://www.smallnetbuilder.com/nas/nas-reviews/31628-new-to-the-charts-wd-dx4000-seninel>, Nov. 16, 2011, pp. 1-10.

* cited by examiner

Primary Examiner — Nathaniel D. Buckner

(74) *Attorney, Agent, or Firm* — Crowell & Moring LLP

(57) CLAIM

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

DESCRIPTION

FIG. 1 is a top, front and side perspective view of an embodiment of the storage device embodying the new design.

FIG. 2 is a front view thereof.

FIG. 3 is a back view thereof.

FIG. 4 is a first side view thereof.

FIG. 5 is a second side view thereof.

FIG. 6 is a top view thereof; and,

FIG. 7 is a bottom view thereof.

Broken lines are used to illustrate features of the storage device which form no part of the claimed design.

1 Claim, 7 Drawing Sheets

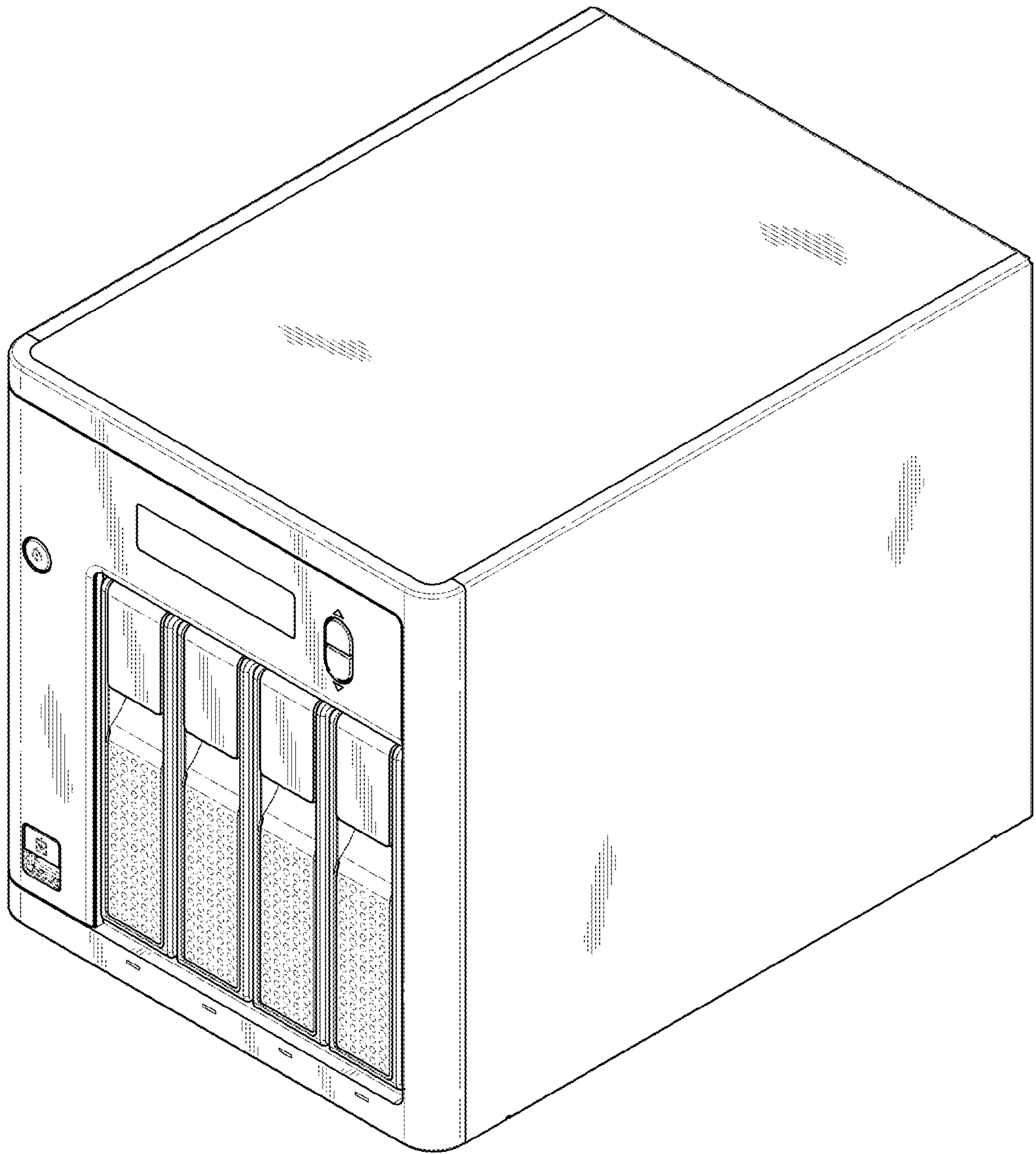


FIG. 1

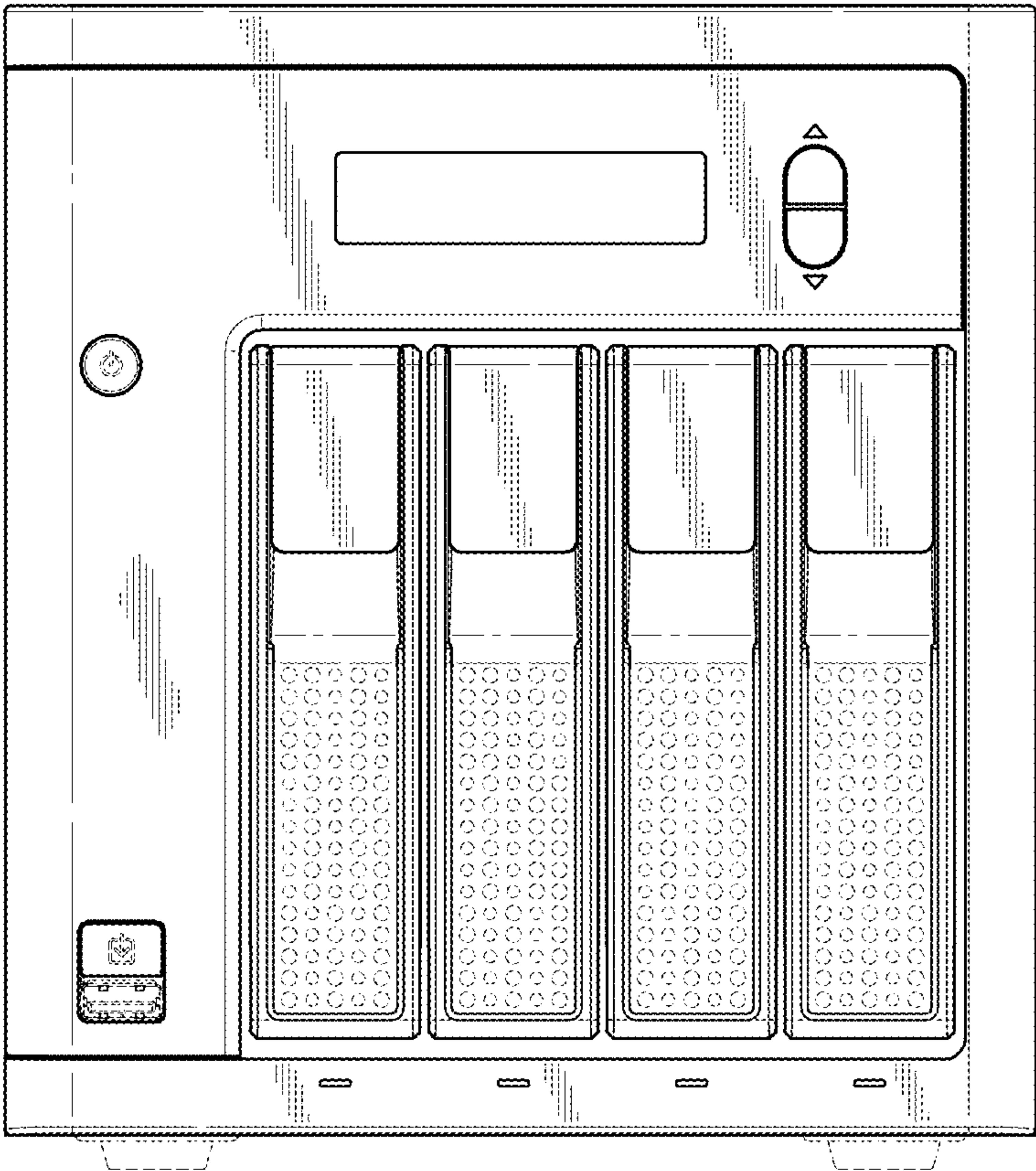


FIG. 2

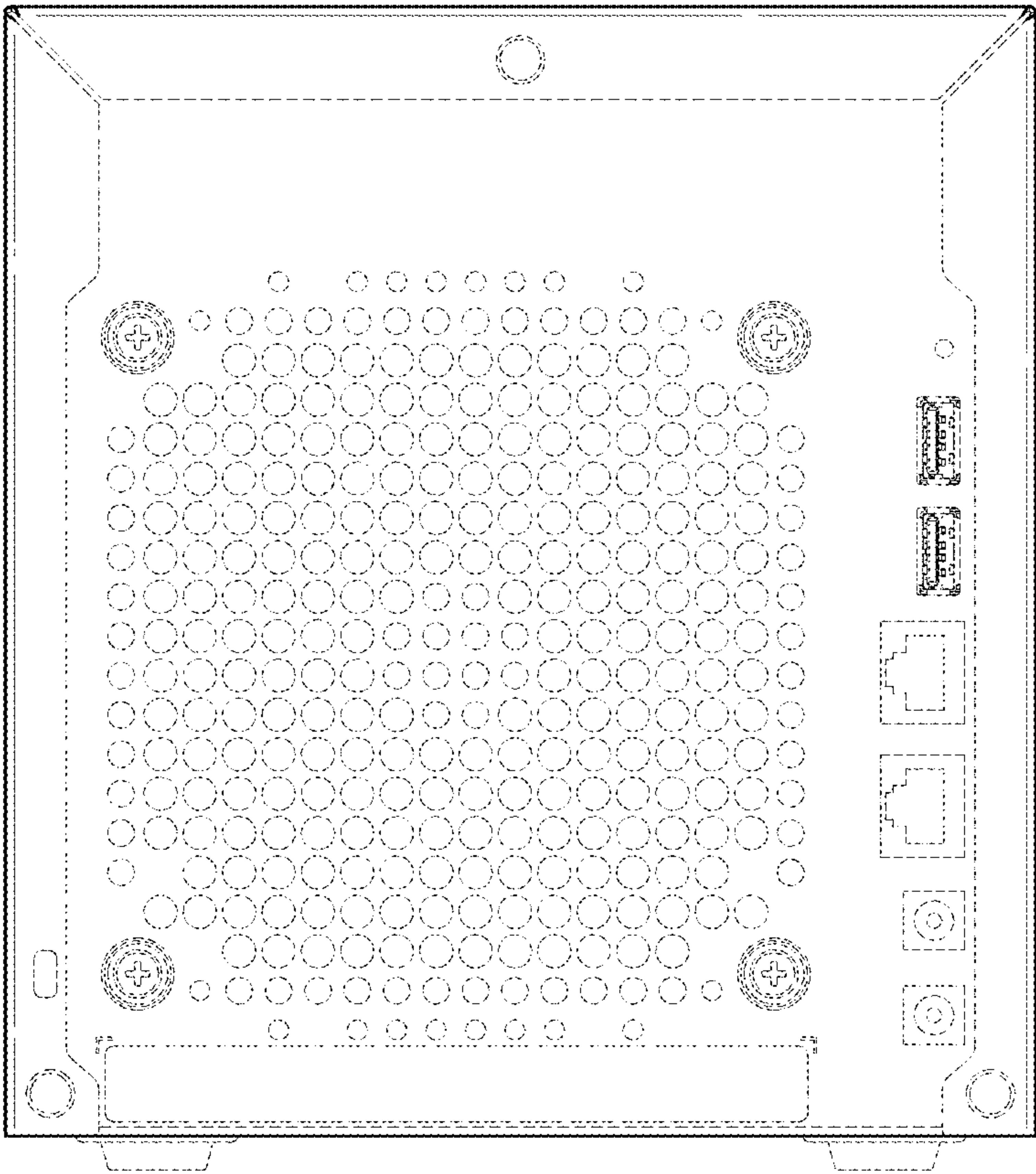


FIG. 3

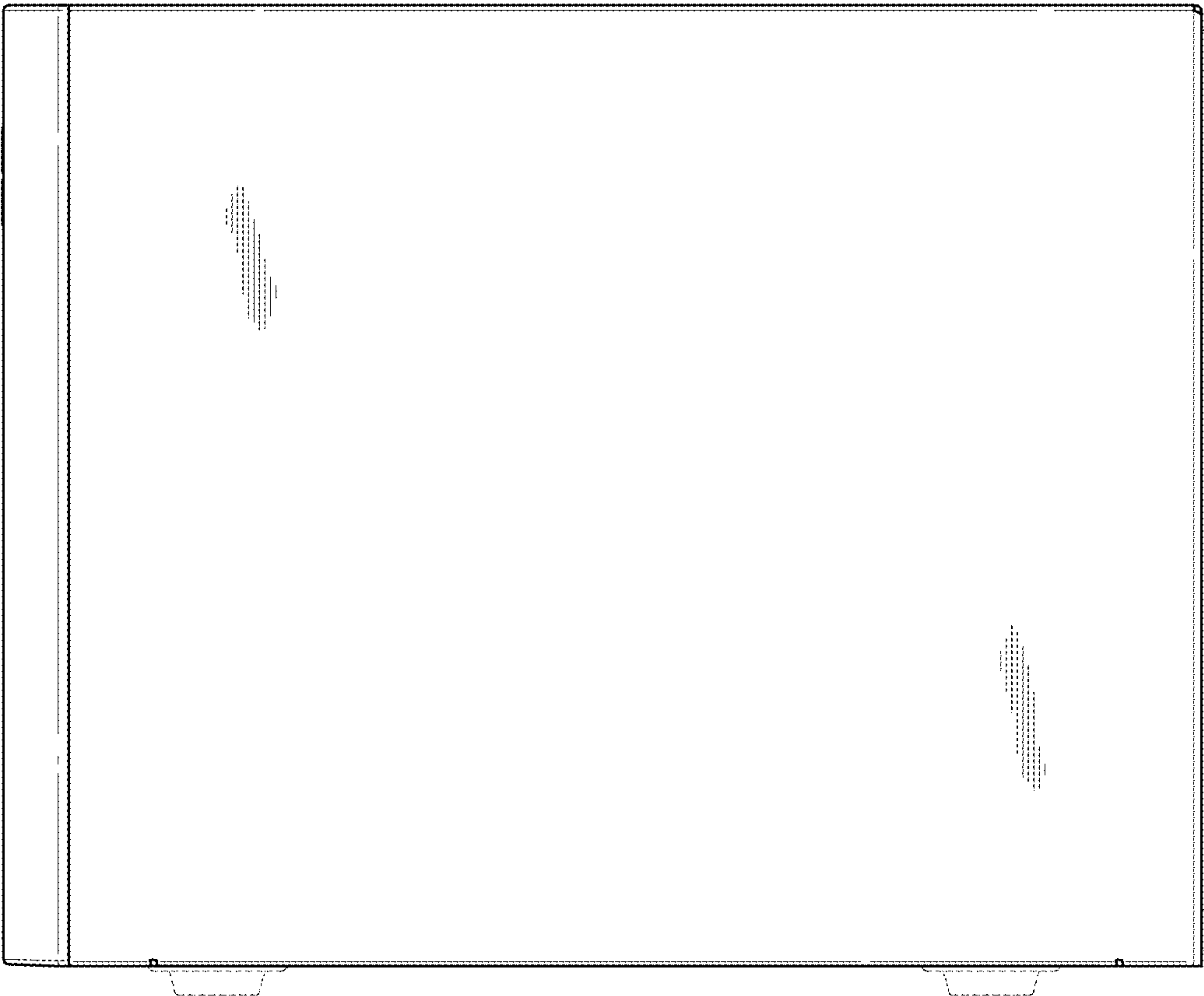


FIG. 4

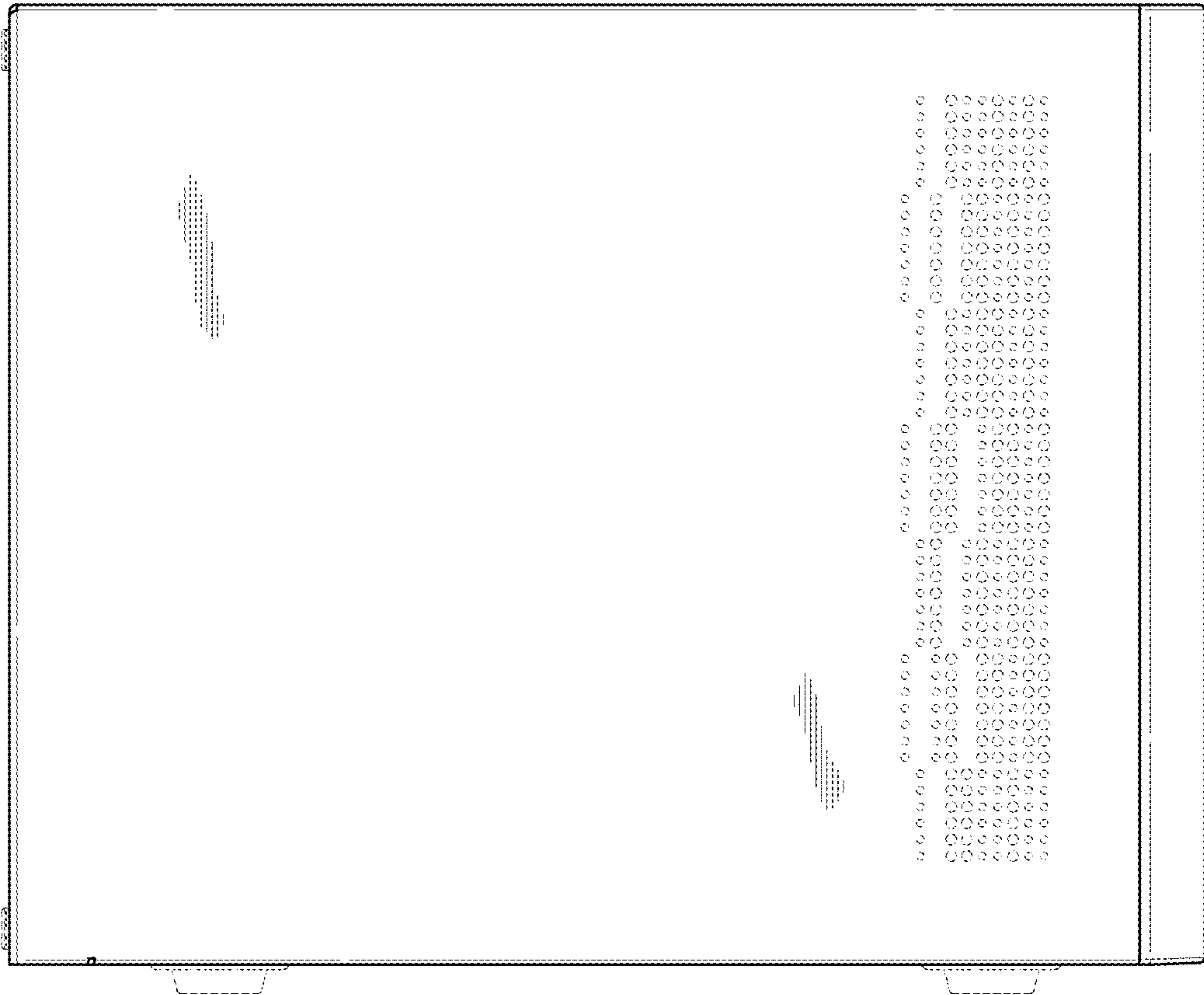


FIG. 5

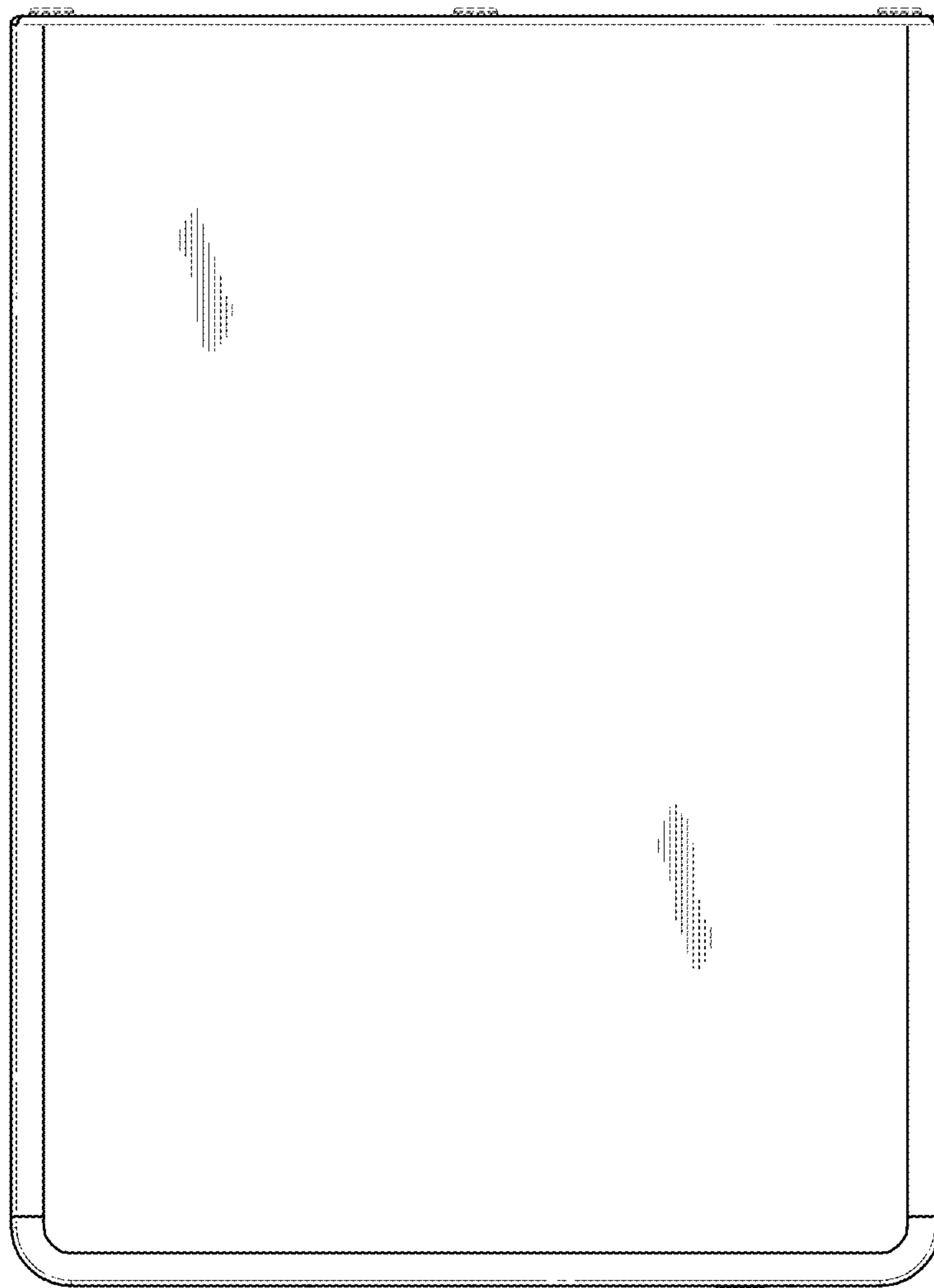


FIG. 6

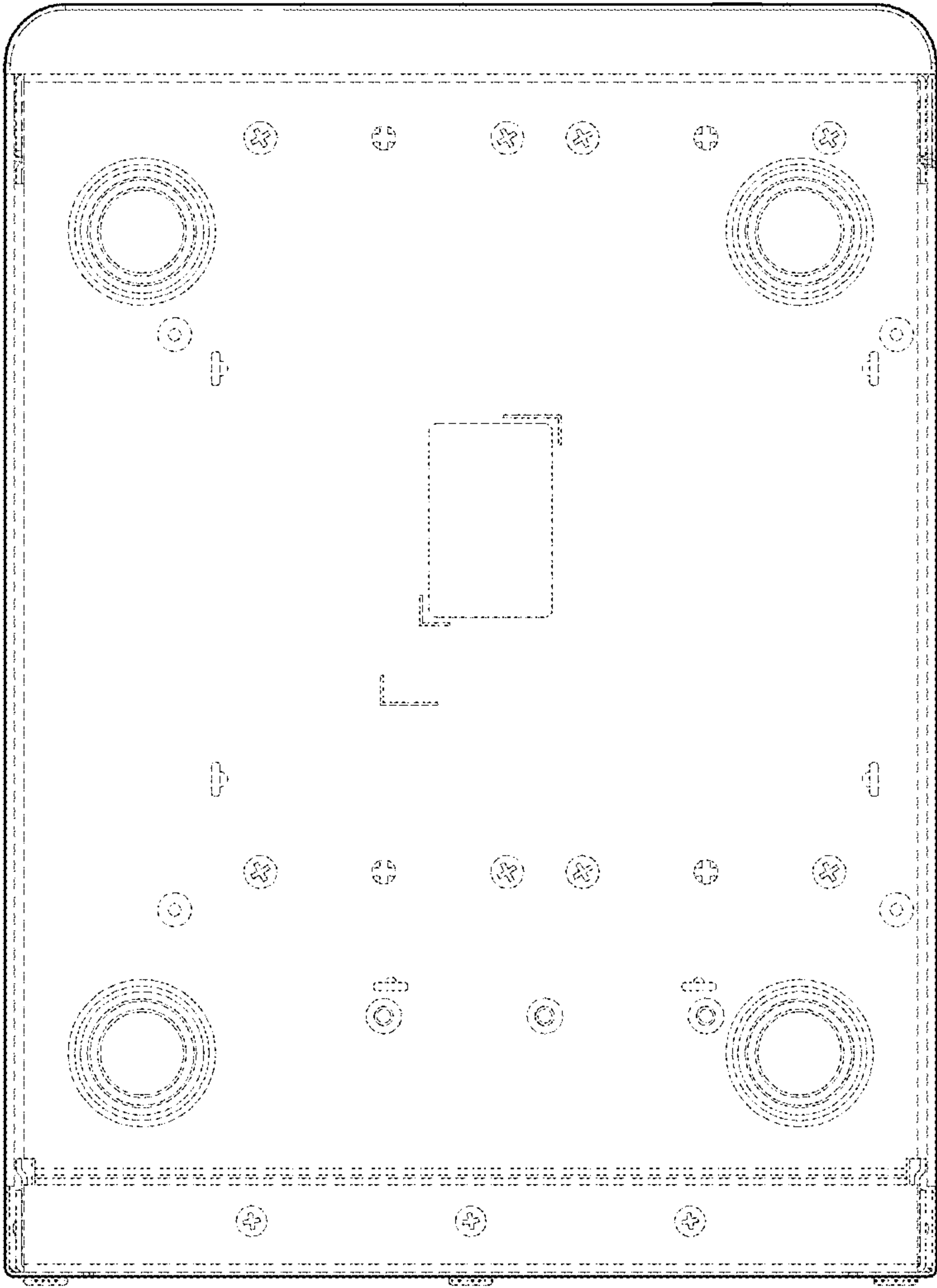


FIG. 7