



US00D942441S

(12) **United States Design Patent** (10) **Patent No.:** **US D942,441 S**
Akana et al. (45) **Date of Patent:** **** Feb. 1, 2022**

(54) **ELECTRONIC DEVICE**

(71) Applicant: **Apple Inc.**, Cupertino, CA (US)

(72) Inventors: **Jody Akana**, San Francisco, CA (US); **Molly Anderson**, San Francisco, CA (US); **Bartley K. Andre**, Palo Alto, CA (US); **Shota Aoyagi**, San Francisco, CA (US); **Anthony Michael Ashcroft**, San Francisco, CA (US); **Marine C. Bataille**, San Francisco, CA (US); **Jeremy Bataillou**, San Francisco, CA (US); **Abidur Chowdhury**, San Francisco, CA (US); **Markus Diebel**, San Francisco, CA (US); **Daniele De Iuliis**, San Francisco, CA (US); **M. Evans Hankey**, San Francisco, CA (US); **Julian Hoenig**, San Francisco, CA (US); **Richard P. Howarth**, San Francisco, CA (US); **Jonathan P. Ive**, San Francisco, CA (US); **Julian Jaede**, San Francisco, CA (US); **Duncan Robert Kerr**, San Francisco, CA (US); **Peter Russell-Clarke**, San Francisco, CA (US); **Benjamin Andrew Shaffer**, San Jose, CA (US); **Mikael Silvano**, San Francisco, CA (US); **Joe Sung-Ho Tan**, San Francisco, CA (US); **Clement Tissandier**, San Francisco, CA (US); **Eugene Antony Whang**, San Francisco, CA (US); **Rico Zörkendörfer**, San Francisco, CA (US)

(73) Assignee: **Apple Inc.**, Cupertino, CA (US)

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

(21) Appl. No.: **29/693,359**

(22) Filed: **Jun. 1, 2019**

(51) **LOC (13) Cl.** **14-02**

(52) **U.S. Cl.**
USPC **D14/302**

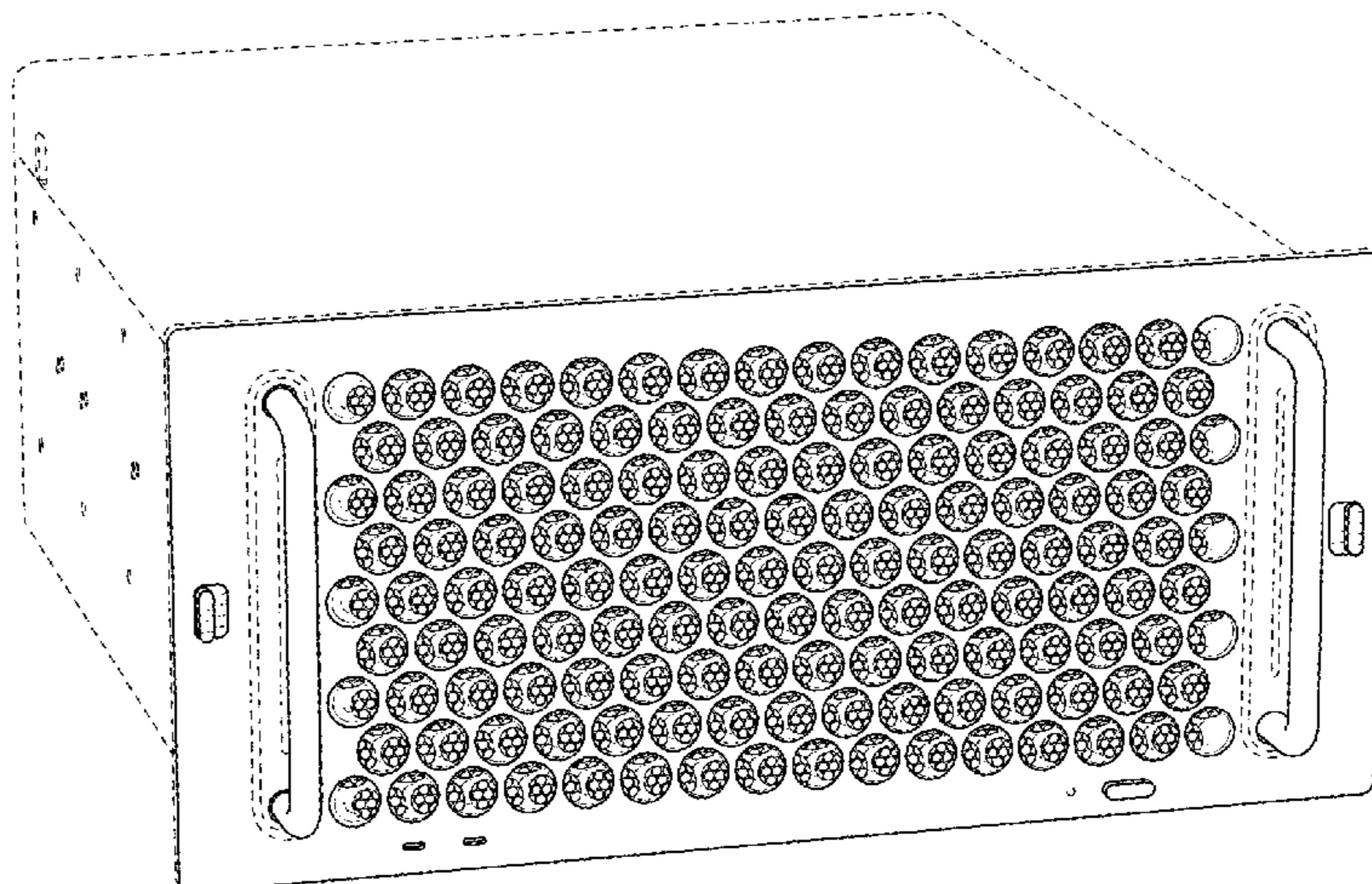
(58) **Field of Classification Search**

USPC D14/314, 316, 140.1, 140.2, 240, 242, D14/301-302, 308, 348-349, 351-359, D14/440-441, 444, 446, 447; D23/335, D23/364-365, 382, 400; D13/162, 184; D6/317, 654.11, 654.18; D34/23; D25/114, 117; 206/706-707, 721-725; 211/134, 182
CPC H05K 5/00; H05K 5/0213; H05K 5/03; H05K 7/14; H05K 9/00; H05K 7/1487; H05K 7/1489; H05K 9/0062; H05K 7/16
See application file for complete search history.

(56) **References Cited**

U.S. PATENT DOCUMENTS

1,858,091 A * 5/1932 Humphris E04B 2/14 52/608
2,493,458 A * 1/1950 Koenig C21B 9/06 165/9.4
3,001,602 A * 9/1961 Taylor E04B 1/8404 181/285
4,711,361 A 12/1987 Mischenko
D310,510 S 9/1990 Bezos
D314,189 S 1/1991 Horie
D334,561 S 4/1993 Crater et al.
D349,615 S * 8/1994 McLaughlin 47/86
D360,299 S * 7/1995 Macek D21/425
D396,031 S 7/1998 Chiodo et al.
5,928,076 A * 7/1999 Clements H05K 9/0041 174/353
D422,977 S 4/2000 Hirose et al.
D423,465 S 4/2000 Runnalls et al.
D428,892 S * 8/2000 Haimson D14/441
D431,822 S 10/2000 Armstrong et al.
D432,494 S 10/2000 Perez
D434,030 S 11/2000 Colprit et al.
D435,559 S 12/2000 Tanaka
6,163,454 A * 12/2000 Strickler H05K 9/0041 174/384
6,297,446 B1 * 10/2001 Cherniski H05K 9/0041 174/383
6,351,394 B1 * 2/2002 Cunningham H01R 13/4536 361/818
D462,349 S * 9/2002 Tanaka D14/356
D463,383 S 9/2002 Hwang
D469,087 S 1/2003 Sue et al.
D476,298 S 6/2003 Lee
D479,839 S * 9/2003 Crisp D14/308



US D942,441 S

D480,728 S 10/2003 Tanaka
D481,385 S 10/2003 Tanaka
D490,081 S 5/2004 Oura et al.
D497,163 S 10/2004 Andre et al.
D499,096 S 11/2004 Deng
6,816,367 B2* 11/2004 Liu G06F 1/187
248/200
D511,163 S 11/2005 Su et al.
D511,521 S * 11/2005 Schmidt D14/441
D511,777 S * 11/2005 Schmidt D14/441
D516,556 S 3/2006 Graziano
D516,567 S 3/2006 Su et al.
7,035,087 B2* 4/2006 Tan G06F 1/181
174/359
D521,132 S * 5/2006 Blateri D23/335
D527,390 S * 8/2006 Millar D13/184
7,168,772 B1* 1/2007 Liang G06F 1/183
292/336.3
D536,674 S * 2/2007 Millar D13/184
D536,675 S * 2/2007 Millar D13/184
D541,045 S 4/2007 Peart et al.
D541,269 S * 4/2007 Heesen D14/314
D548,232 S 8/2007 Dearborn et al.
D558,572 S 1/2008 Andre et al.
D566,119 S * 4/2008 Dearborn D14/446
D568,881 S 5/2008 Hsiau
D572,672 S * 7/2008 Adducci D13/184
D577,719 S * 9/2008 Kobeli D14/300
D579,455 S * 10/2008 Chu D14/447
D622,672 S 8/2010 Wu et al.
D624,878 S 10/2010 Uneo et al.
RE42,054 E * 1/2011 Park D14/447
D635,563 S 4/2011 Brusca et al.
D637,600 S * 5/2011 Leyva-Menendez D14/447
D642,540 S 8/2011 Lin
D647,523 S 10/2011 Su
8,077,455 B2* 12/2011 Jian G06F 1/181
361/679.48
8,164,906 B2* 4/2012 Franco G06F 1/20
361/727
D667,401 S 9/2012 Mueller et al.
8,315,052 B2* 11/2012 Chan H05K 7/20736
361/695
D671,925 S 12/2012 Tsuda et al.
8,331,085 B2* 12/2012 Zhang G06F 1/184
361/679.39
8,335,075 B2* 12/2012 Zhang H05K 7/1487
361/679.33
8,335,076 B2* 12/2012 Zhang G06F 1/20
361/679.37
D676,444 S 2/2013 Cloutier
D687,023 S 7/2013 Jung et al.
D690,803 S 10/2013 Koivisto et al.
D698,113 S * 1/2014 Gronholm D34/17
8,659,905 B2* 2/2014 Knoop H05K 5/02
361/724
D707,224 S 6/2014 Bae et al.
D707,225 S 6/2014 Shin et al.
D709,489 S * 7/2014 Chen D14/314
D714,791 S * 10/2014 Liu D14/440
D716,428 S 10/2014 Farone et al.
D730,340 S * 5/2015 Akana D14/250
D731,473 S * 6/2015 Akana D14/250
D744,994 S * 12/2015 Akana D14/250
D752,029 S * 3/2016 Akana D14/250
D752,570 S * 3/2016 Akana D14/250
D768,129 S 10/2016 Chen
D770,396 S * 11/2016 Lin D13/177
D771,577 S * 11/2016 Lin D13/177
D771,837 S * 11/2016 Astacio D25/117
D782,424 S * 3/2017 Lin D13/177
D790,539 S * 6/2017 Lee D14/358
9,674,973 B1* 6/2017 Lin H05K 7/1432
D794,016 S 8/2017 Probst et al.
D797,915 S 9/2017 Lewis
D799,016 S 10/2017 Su et al.
D812,065 S * 3/2018 Shim D14/440
D815,608 S * 4/2018 Lin D13/177

10,062,491 B1* 8/2018 Lin H01F 27/025
10,063,038 B1* 8/2018 Lin H02B 1/24
D834,165 S 11/2018 Maeng
10,123,442 B1* 11/2018 Lin H05K 7/1417
10,143,117 B2* 11/2018 Lin H02M 7/003
D844,578 S 4/2019 Seflic et al.
D847,208 S * 4/2019 Scott D15/5
D853,544 S 7/2019 Vu et al.
D860,959 S 9/2019 Seflic et al.
D867,358 S * 11/2019 Byrd D14/301
D870,678 S * 12/2019 Lin D13/162
D870,679 S * 12/2019 Lin D13/162
D872,638 S 1/2020 Yin
D873,660 S * 1/2020 Akana D9/436
D874,624 S 2/2020 Liu et al.
D881,825 S * 4/2020 Lin D13/162
10,645,832 B1* 5/2020 Degner G06F 1/20
D895,608 S * 9/2020 Akana D14/314
D925,479 S * 7/2021 Lin D13/177
D926,300 S * 7/2021 He D23/335
D926,750 S * 8/2021 Akana D14/314
2007/0272438 A1* 11/2007 Gilliland H01L 23/467
174/383
2017/0251566 A1* 8/2017 Wang H05K 7/1487
2019/0056770 A1* 2/2019 Lin G06F 1/189
2019/0166728 A1* 5/2019 Minkin H05K 7/20909
2020/0100383 A1* 3/2020 Hershey H05K 7/16

FOREIGN PATENT DOCUMENTS

CN	303605330	3/2016
CN	303663107	* 5/2016
CN	304111709	* 4/2017
JP	D1105441	4/2001
JP	D1162645	1/2003
JP	D1163447	1/2003
JP	HC1706549200	1/2006
JP	HC1803066100	7/2006
JP	HJ2006351500	2/2009
JP	HC21020143	11/2009
JP	HC28008445	4/2016
JP	HJ3100455500	4/2019
KR	300844753.0000	3/2016
RU	00120437	* 7/2020

OTHER PUBLICATIONS

Mac Pro Rack, Apple, apple.com, author unlisted, published on Dec. 12, 2019 © 2020 Apple Inc., online, site visited Aug. 10, 2020. Available at URL: <https://www.apple.com/shop/buy-mac/mac-pro/rack> (Year: 2019).*

SST-RM201B-2U Rackmount Server, Silverstone, amazon.com.uk, published by SilverStone Technology on Sep. 6, 2017 © 1996-2020 Amazon.com, Inc., online, site visited Aug. 10, 2020. Available at URL: <https://www.amazon.co.uk/SilverStone-SST-RM201B-Rackmount-Server-Hot-Swap/dp/B0756PVT29?th=1> (Year: 2017).*

Safety-Tread / Traction-Tread / Perf-Tread, All Metals Supply, allmetalsupply.com, author unlisted, published on Jul. 23, 2017 per wayback machine © 2014 All Metals Supply, online, site visited Feb. 23, 2021. Available at URL: <https://www.allmetalsupply.com/portfolio-view/perforated-raised/> (Year: 2017).*

MicroATX PC Case, Cerberus, sliger.com, author not listed, posted on Mar. 7, 2018 per wayback machine © 2017 Sliger Designs LLC, online, site visited Jan. 28, 2020. Available from Internet, URL: <https://www.sliger.com/products/cases/cerberus/> (Year: 2018).

Neo Pro Airflow Case, MetallicGear, youtube.com, posted by HardwareCanucks on Jan. 8, 2020 © not listed, online, site visited Jan. 28, 2020. Available from Internet, URL: <https://www.youtube.com/watch?v=1XGyLMwRb68> (Year: 2020).

Mac Pro, Apple, apple.com, author not listed, author and date not listed © not listed, online, site visited Jan. 28, 2020. Available from Internet, URL: <https://www.apple.com/mac-pro/> (Year: 2020).

R4x5 Series Compact Industrial Server Chassis, Yeong Yang, yycase.com, author and date not listed © Yeong Yang, online, site visited

Jan. 28, 2020. Available from Internet, URL: <https://www.yycase.com/Tower-Server-Chassis-R4x5-Series.html> (Year: 2020).
U.S. Appl. No. 29/693,114, filed May 31, 2019. (Unpublished).
U.S. Appl. No. 29/712,528, filed Nov. 8, 2019. (Unpublished).

* cited by examiner

Primary Examiner — Holly E Thurman
Assistant Examiner — Altaira J Swangin
(74) *Attorney, Agent, or Firm* — Saidman DesignLaw
Group, LLC

(57) **CLAIM**

The ornamental design for an electronic device, as shown and described.

DESCRIPTION

FIG. 1 is a perspective view of an electronic device showing our new design;

FIG. 2 is another perspective view thereof;

FIG. 3 is a front view thereof;

FIG. 4 is a rear view thereof;

FIG. 5 is a left side view thereof;

FIG. 6 is a right side view thereof;

FIG. 7 is a top view thereof; and,

FIG. 8 is a bottom view thereof.

The broken lines illustrate portions of the electronic device which form no part of the claimed design.

1 Claim, 6 Drawing Sheets

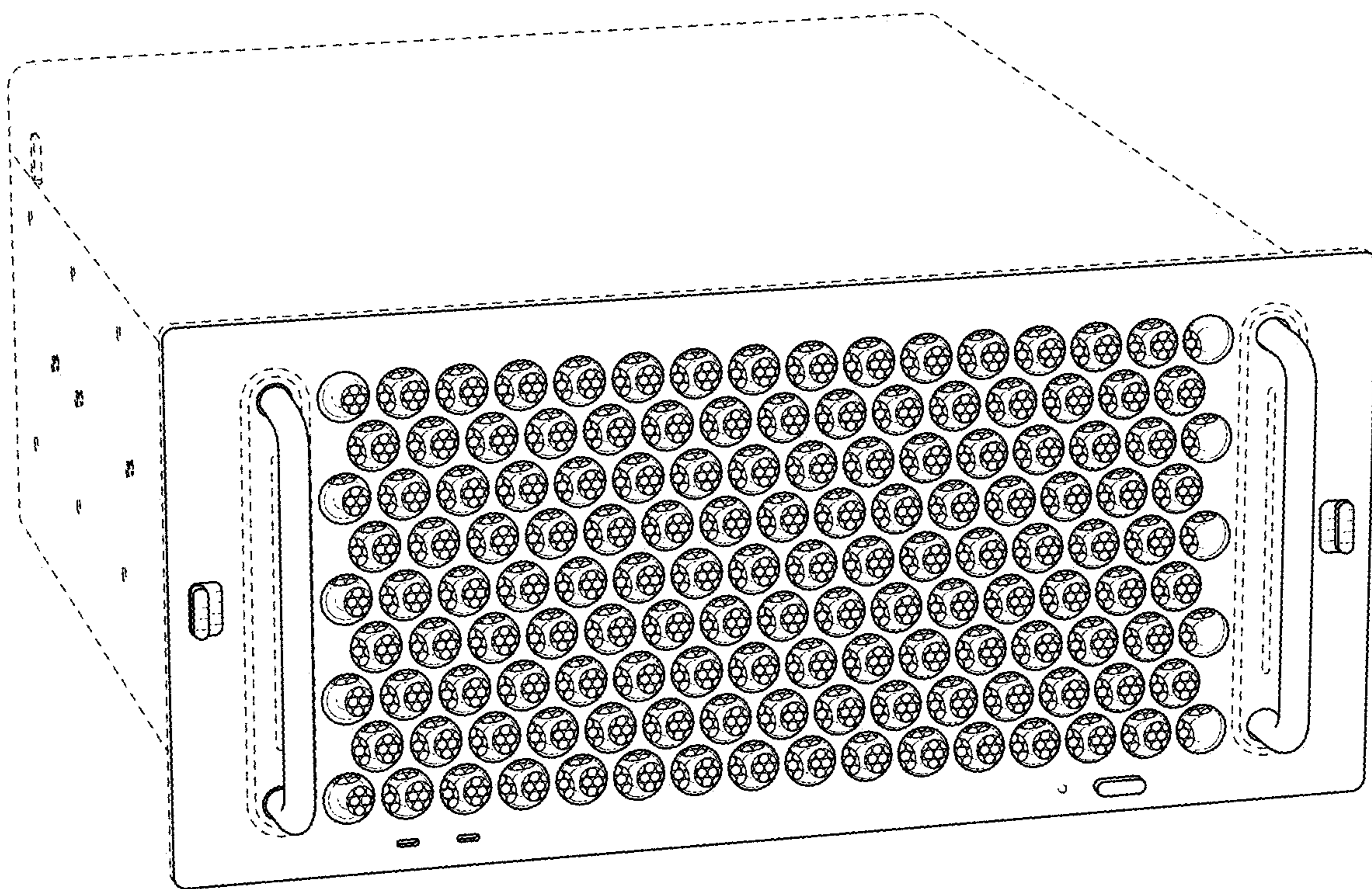


FIG. 1

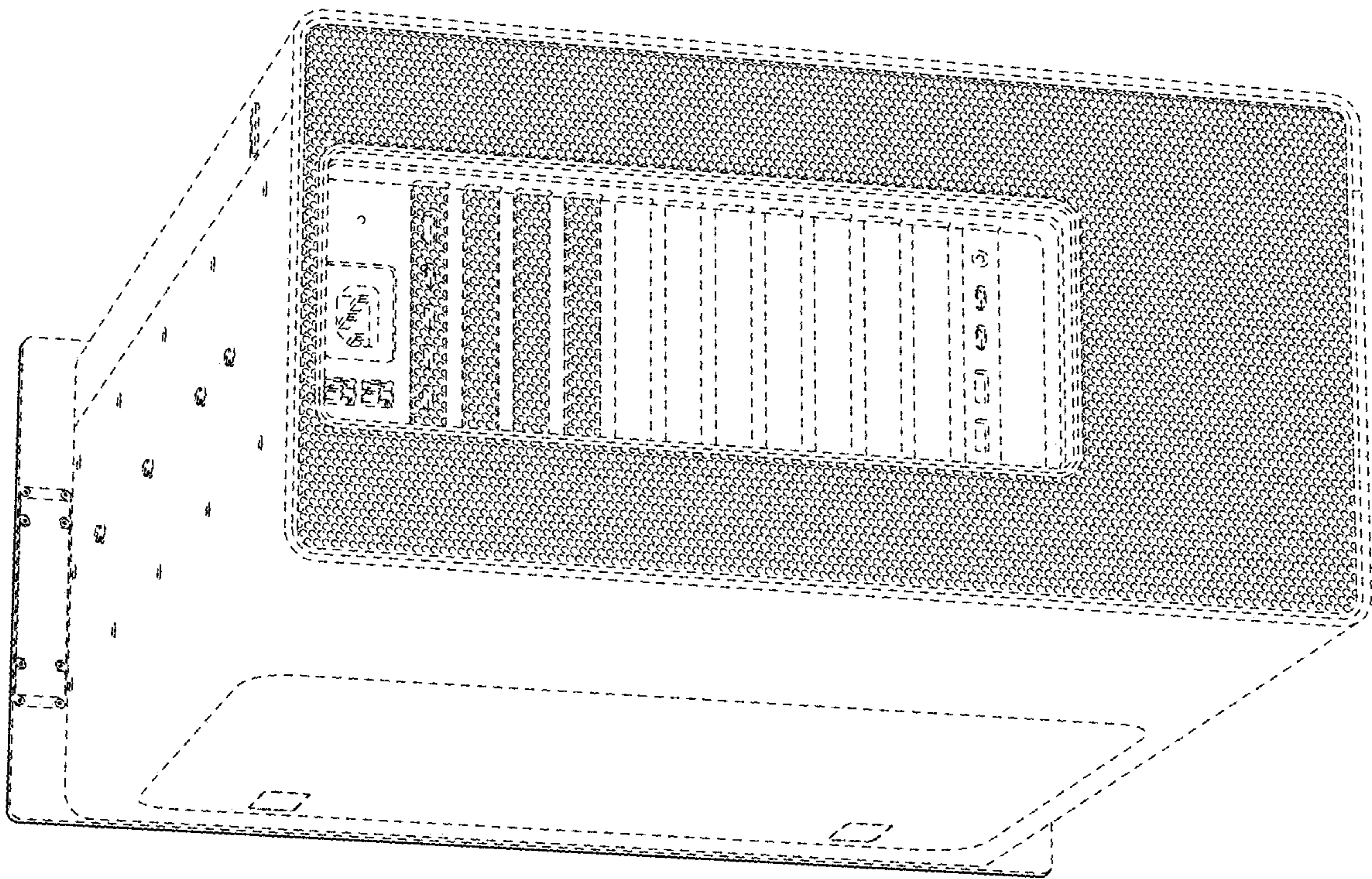


FIG. 2

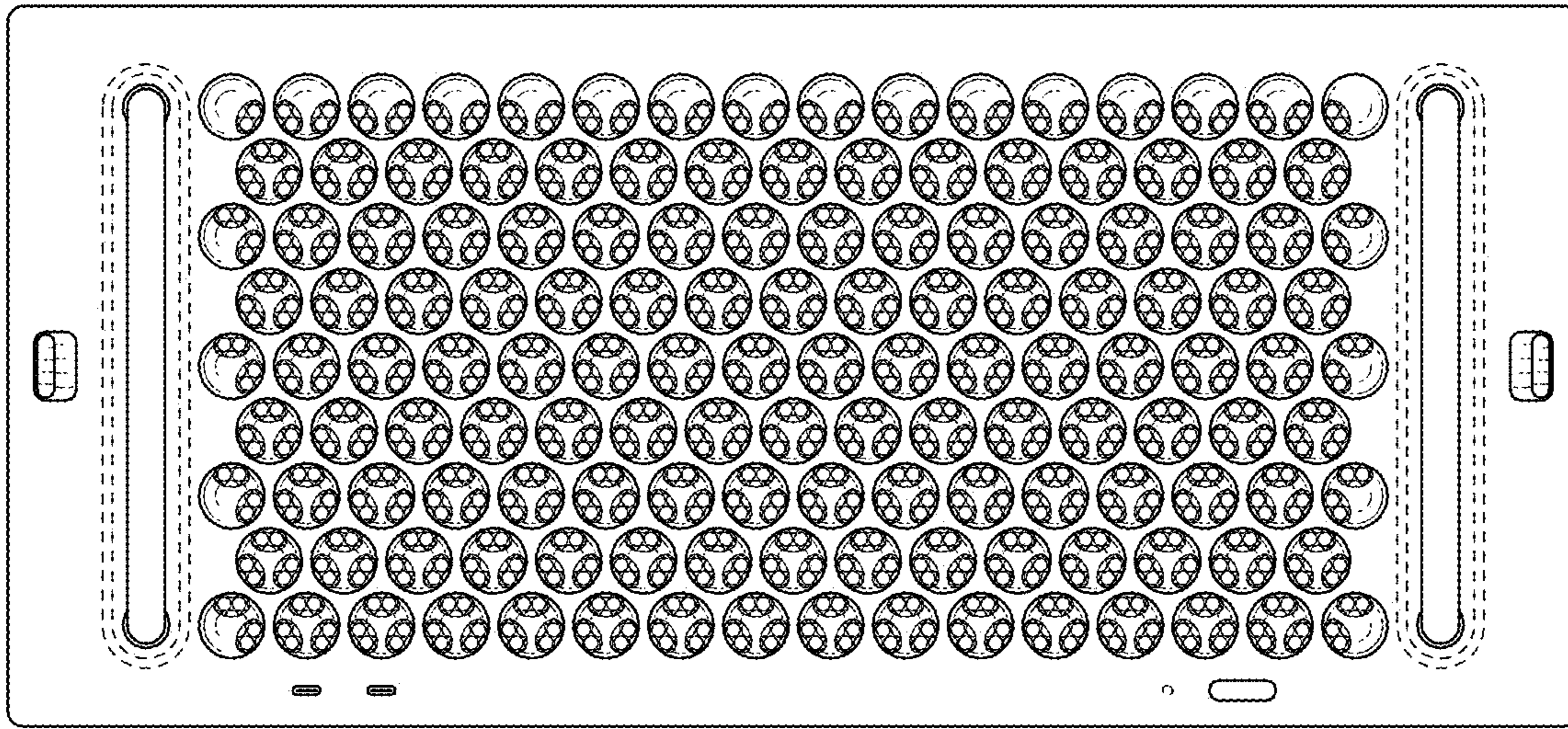


FIG. 3

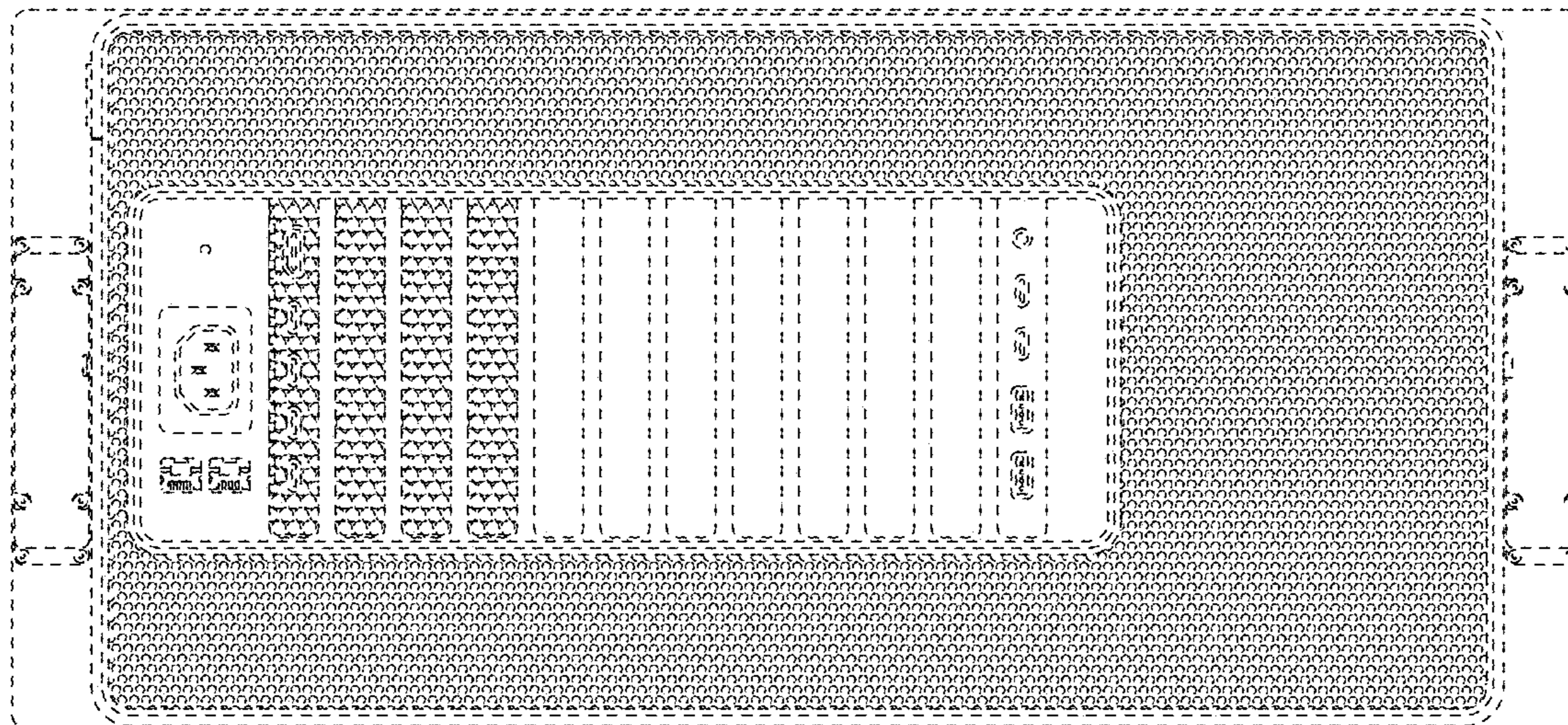


FIG. 4

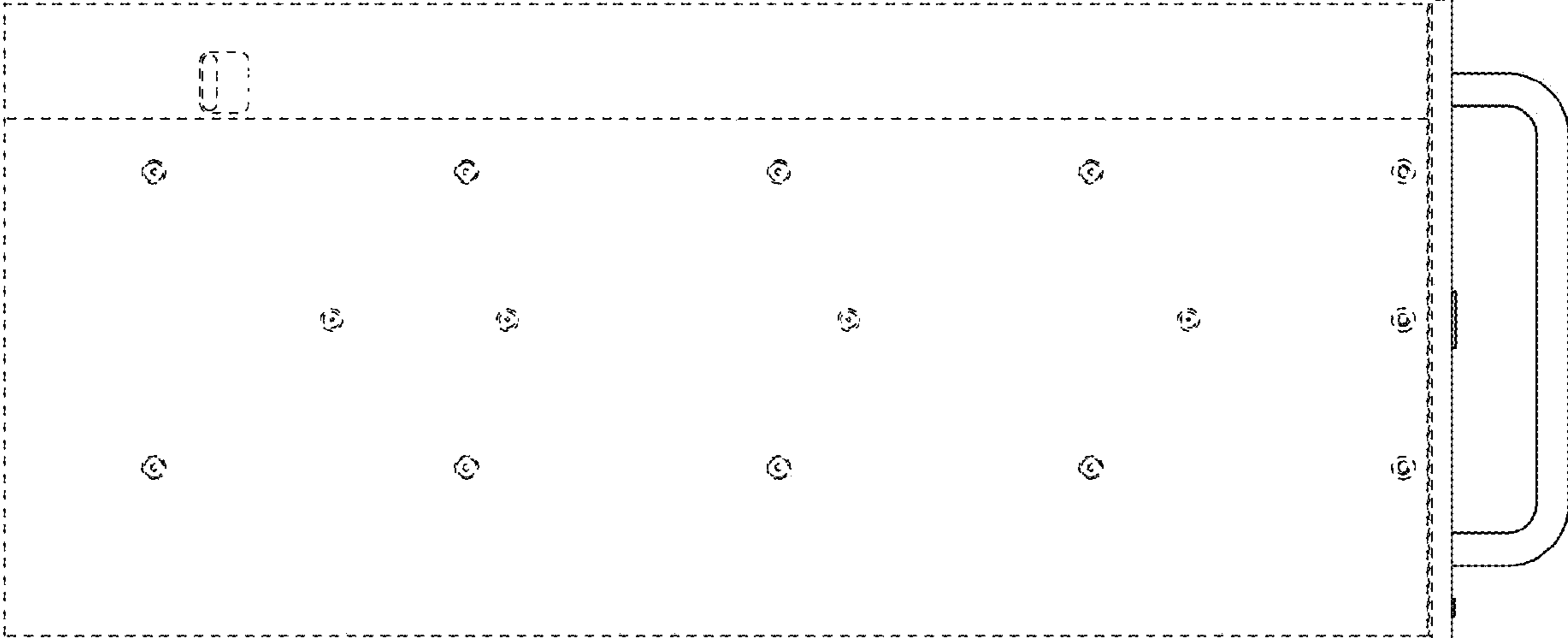


FIG. 5

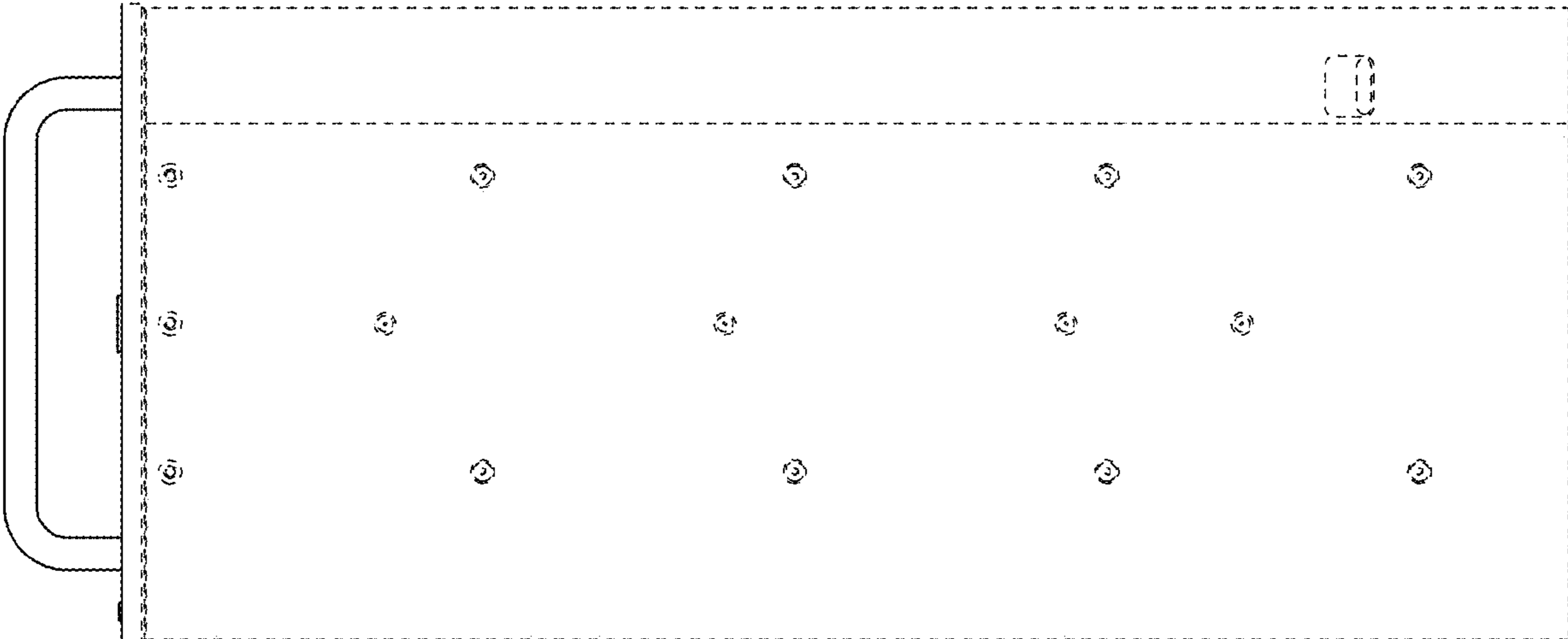


FIG. 6

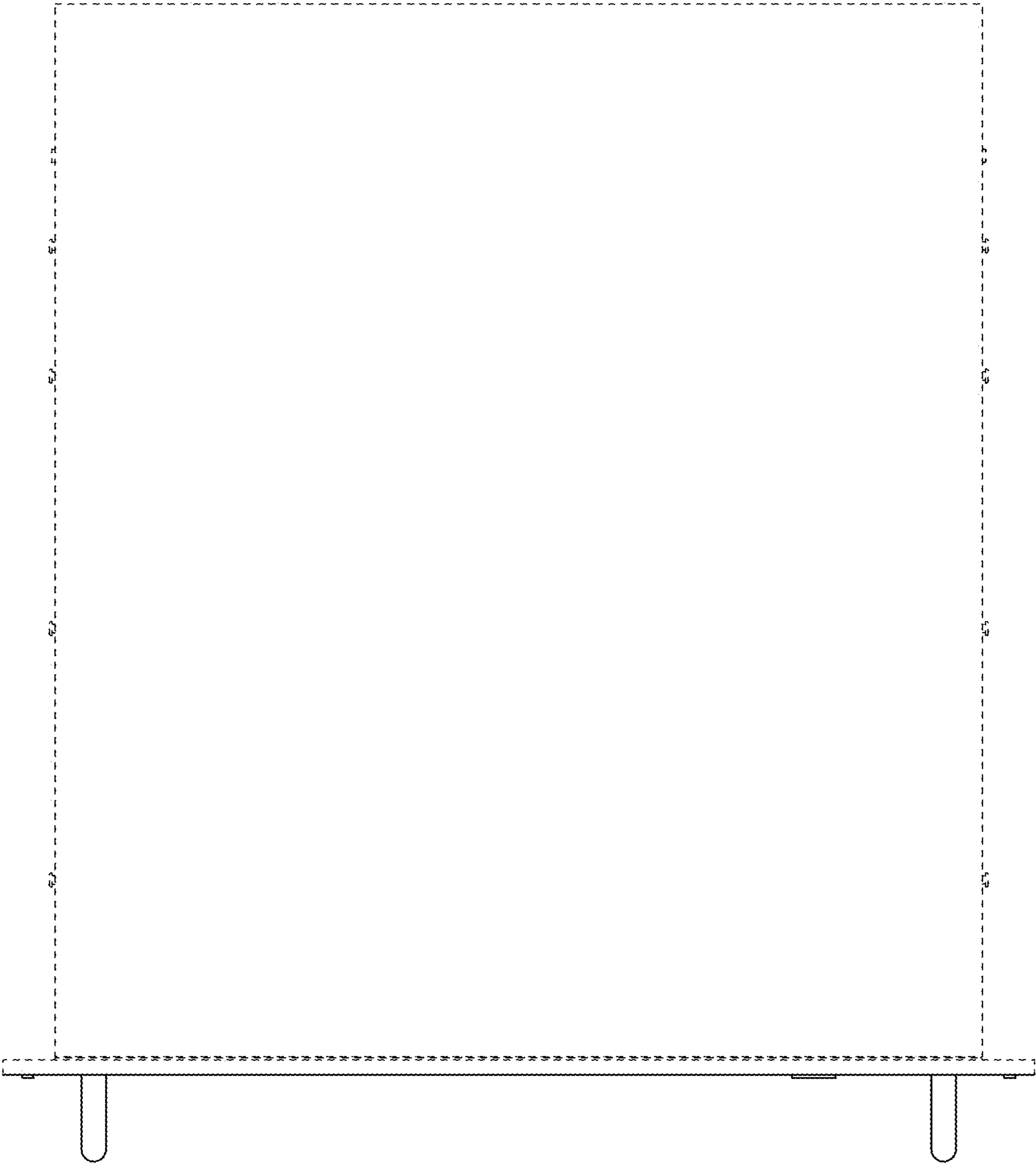


FIG. 7

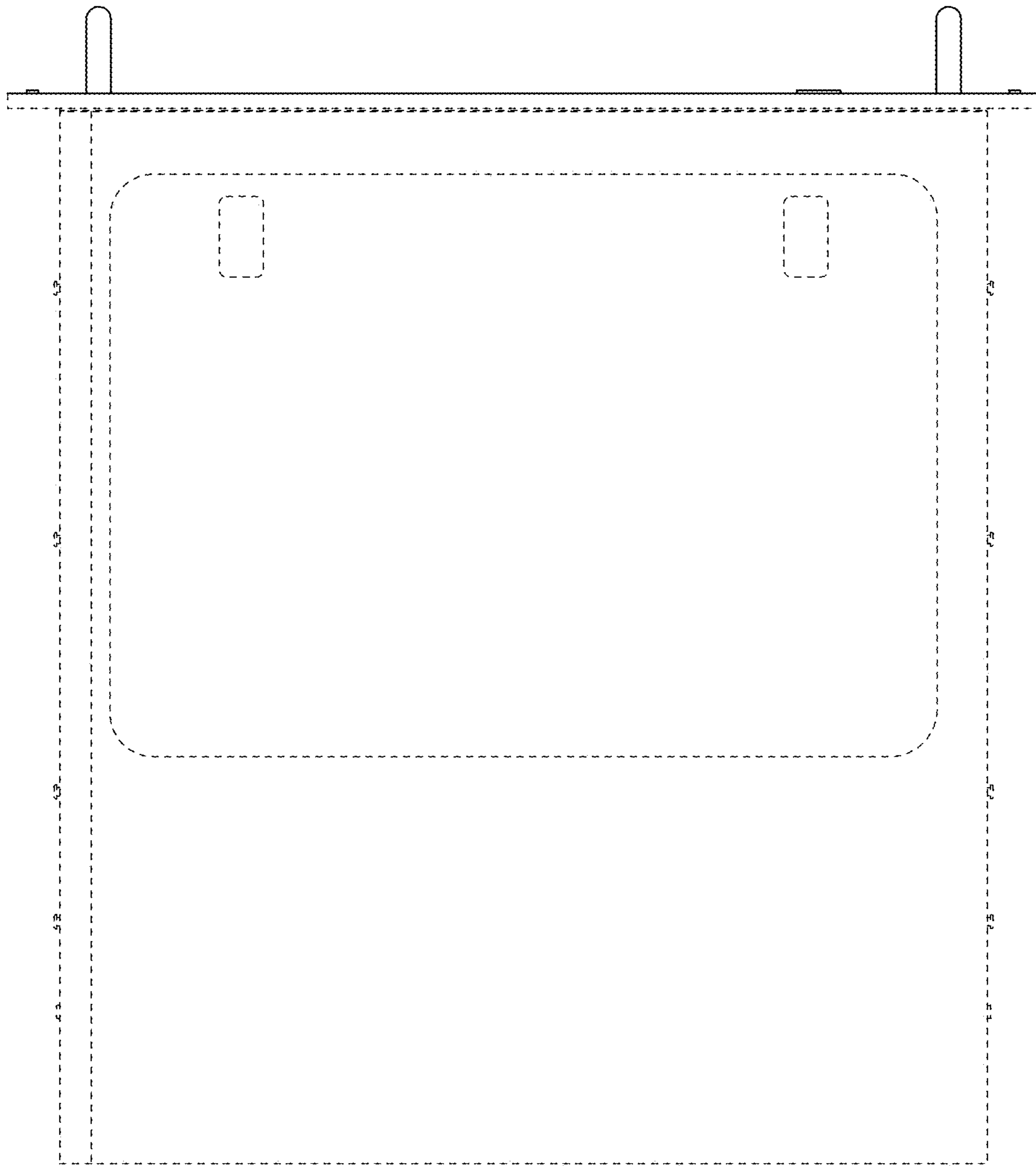


FIG. 8