US00D873271S

(12) United States Design Patent

Hu

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(45) Date of Patent: ** Jan. 21, 2020

(54) **KEYBOARD**

(71) Applicant: **SHENZHEN QIANHAI PATUOXUN NETWORK AND TECHNOLOGY CO., LTD**, Shenzhen (CN)

(72) Inventor: **Zaihui Hu**, Shenzhen (CN)

(73) Assignee: **SHENZHEN QIANHAI PATUOXUN NETWORK AND TECHNOLOGY CO., LTD.**, Shenzhen (CN)

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

(21) Appl. No.: **29/700,918**

(22) Filed: **Aug. 7, 2019**

(51) **LOC (12) Cl.** **14-02**

(52) **U.S. Cl.**
USPC **D14/392**

(58) **Field of Classification Search**
USPC D14/315–327, 391–399, 455–457, 247, D14/346; D18/1–2, 4.1–4.6, 7, 11;
(Continued)

(56) **References Cited**

U.S. PATENT DOCUMENTS

3,842,229 A * 10/1974 Boulanger H01H 13/12 200/276.1
3,857,000 A * 12/1974 Boulanger ..... H01H 15/06 200/16 D

(Continued)

FOREIGN PATENT DOCUMENTS

EM 006686689-0001 * 8/2019
EM 006686689-0002 * 8/2019

OTHER PUBLICATIONS

GTC 0077 USB Numeric Keypad, Goldtouch, blog.naver.com, posted by blogger on Jan. 19, 2018 © not listed, online, site visited Oct. 16, 2019. Available at URL: http://blog.naver.com/PostView.nhn?blogId=euinamlove&logNo=221301949792&categoryNo=0&parentCategoryNo=0&viewDate=&currentPage=1&post . . . (Year: 2018).*

(Continued)

Primary Examiner — Marissa J Cash
Assistant Examiner — Altaira J Swangin

(57) **CLAIM**

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

DESCRIPTION

FIG. **1** is a perspective view of a first embodiment of a keyboard showing my new design;
FIG. **2** is a front elevational view thereof;
FIG. **3** is a rear elevational view thereof;
FIG. **4** is a left side elevational view thereof;
FIG. **5** is a right side elevational view thereof;
FIG. **6** is a top plan view thereof;
FIG. **7** is a bottom plan view thereof;
FIG. **8** is an enlarged partial view of portion **8** of FIG. **1**;
FIG. **9** is a perspective view of a second embodiment of the keyboard showing my new design;
FIG. **10** is a front elevational view thereof;
FIG. **11** is a rear elevational view thereof;
FIG. **12** is a left side elevational view thereof;
FIG. **13** is a right side elevational view thereof;
FIG. **14** is a top plan view thereof;
FIG. **15** is a bottom plan view thereof;
FIG. **16** is an enlarged partial view of portion **16** of FIG. **9**;
FIG. **17** is a perspective view of a third embodiment of the keyboard showing my new design;
FIG. **18** is a front elevational view thereof;
FIG. **19** is a rear elevational view thereof;
FIG. **20** is a left side elevational view thereof;
FIG. **21** is a right side elevational view thereof;
FIG. **22** is a top plan view thereof;
FIG. **23** is a bottom plan view thereof;
FIG. **24** is an enlarged partial view of portion **24** of FIG. **17**;
FIG. **25** is a perspective view of a fourth embodiment of the keyboard showing my new design;
FIG: **26** is a front elevational view thereof;

(Continued)

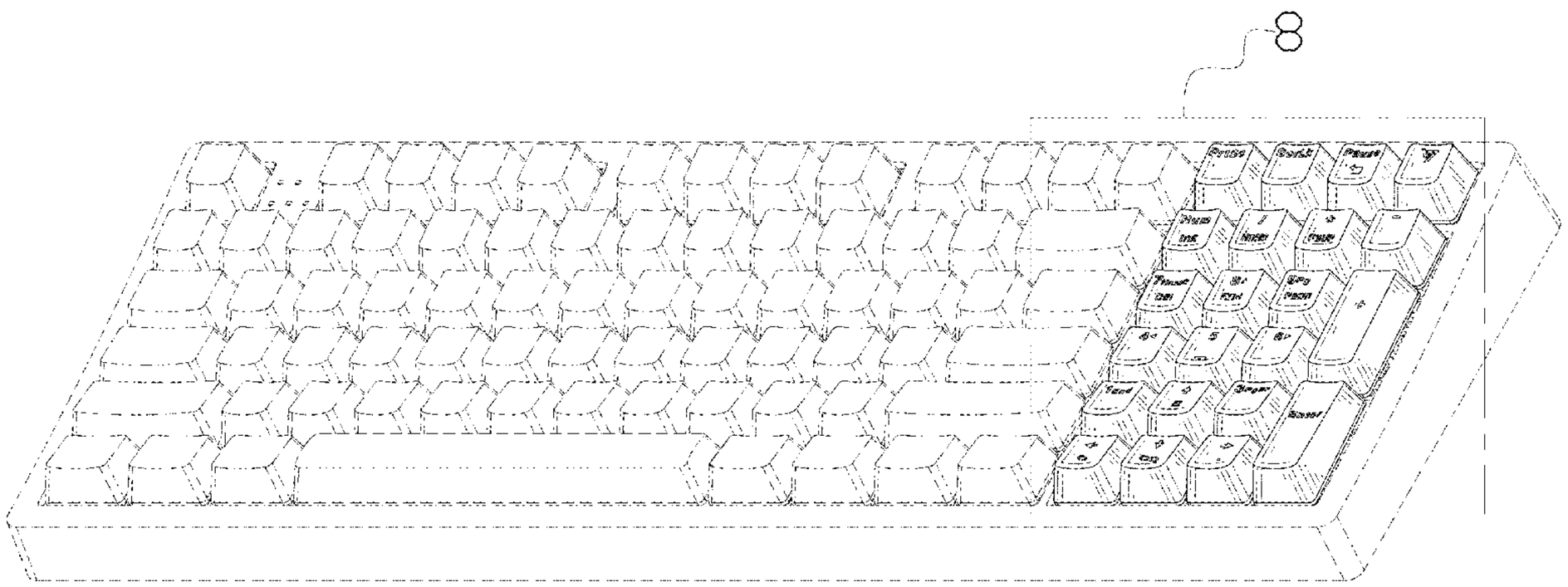


FIG. **27** is a rear elevational view thereof;
FIG. **28** is a left side elevational view thereof;
FIG. **29** is a right side elevational view thereof;
FIG. **30** is a top plan view thereof;
FIG. **31** is a bottom plan view thereof; and,
FIG. **32** is an enlarged partial view of portion **32** of FIG. **25**.
The broken lines in the drawings depict portions of the keyboard that form no part of the claimed design.

1 Claim, 32 Drawing Sheets

(58) **Field of Classification Search**
USPC ..... 235/145 A, 145 R; 341/22–23; 345/104, 345/156, 168–169, 173; 361/679.08, 361/679.09, 679.11, 679.26, 679.27; 708/142, 146
CPC B41J 5/00; B41J 5/10; B41J 5/12; F16M 11/10; G06F 3/0219; G06F 3/02
See application file for complete search history.

(56) **References Cited**

U.S. PATENT DOCUMENTS

3,922,513	A *	11/1975	Kravchuck	H01H 13/12	200/535
D286,047	S *	10/1986	Roots	D14/399	
D327,881	S *	7/1992	McFarlane	D14/399	
D329,848	S *	9/1992	Mizusugi	D14/399	
D341,360	S *	11/1993	Yamazaki	D14/399	
D347,835	S *	6/1994	Zarnowitz	D14/399	
D382,262	S *	8/1997	Tien	D14/456	
D411,528	S *	6/1999	Tien	D14/456	
D440,566	S *	4/2001	Chou	D14/391	
D441,748	S *	5/2001	Swansey	D14/396	
6,532,393	B1 *	3/2003	Chou	G06F 3/021	700/84
D478,907	S *	8/2003	Smith	D14/396	
D481,732	S *	11/2003	Swansey	D14/396	
D503,712	S *	4/2005	Lutnick	D14/396	
D503,935	S *	4/2005	Lutnick	D14/396	
D504,131	S *	4/2005	Lutnick	D14/396	
D516,072	S *	2/2006	Lutnick	D14/396	
7,029,191	B2 *	4/2006	Wang	G06F 3/0219	341/22
D538,282	S *	3/2007	Noviello	D14/396	
D554,648	S *	11/2007	Massaro	D14/315	
D564,513	S *	3/2008	Noviello	D14/396	
D564,514	S *	3/2008	Noviello	D14/396	
D567,247	S *	4/2008	Massaro	D14/455	
D570,855	S *	6/2008	Massaro	D14/455	
D570,856	S *	6/2008	Forester	D14/456	
D572,263	S *	7/2008	Massaro	D14/455	
D578,533	S *	10/2008	Noviello	D14/396	
D588,119	S *	3/2009	Griffin	D14/247	
D645,048	S *	9/2011	Odell	D14/456	
D658,660	S *	5/2012	Moore	D14/455	
D658,661	S *	5/2012	Moore	D14/455	
D658,662	S *	5/2012	Moore	D14/455	
D659,700	S *	5/2012	Moore	D14/455	
D659,702	S *	5/2012	Moore	D14/455	
D659,703	S *	5/2012	Moore	D14/455	
D660,846	S *	5/2012	Moore	D14/455	
D660,853	S *	5/2012	Moore	D14/455	
D660,854	S *	5/2012	Moore	D14/455	
D725,118	S *	3/2015	Hong	D14/440	
D757,008	S *	5/2016	Knighton	D14/392	
D766,910	S *	9/2016	Packulak	D14/456	
D797,103	S *	9/2017	Knighton	D14/392	
D836,636	S *	12/2018	Hu	D14/392	
2001/0030613	A1 *	10/2001	Ideura	G06F 3/023	341/23
2002/0015609	A1 *	2/2002	Webber	G06F 1/1613	400/489
2002/0063149	A1 *	5/2002	Jun	H01H 13/70	235/145 R
2003/0046320	A1 *	3/2003	Chou	G06F 3/0219	708/142
2006/0110203	A1 *	5/2006	Grafton	G06F 3/01	400/489
2011/0279288	A1 *	11/2011	Ou	G06F 3/0202	341/22
2014/0151205	A1 *	6/2014	Chou	H01H 13/83	200/314
2018/0341337	A1 *	11/2018	Nelson	G06F 3/0219	

OTHER PUBLICATIONS

Grey Wired USB Numeric Keypad, Cherry, uk.rs-online.com, author not listed, published on Mar. 23, 2016 per wayback machine © RS Components Ltd., online, site visited Oct. 16, 2019. Available at URL: https://uk.rs-online.com/web/p/numeric-keypads/0493130/ (Year: 2016).*

22-key Numeric Keypad, Keycool, medium.com, Nataniel Hirsschler, published on Apr. 22, 2013 © not listed, online, site visited Oct. 17, 2019. Available at URL: https://medium.com/mechanical-keyboards/keycool-22-key-numeric-keypad-review-d37053012608 (Year: 2013).*

Mechanical Numeric Keypad, Motospeed, amazon.com, listed by motospeed on Jan. 9, 2019 © 1996-2019, Amazon.com, Inc, online, site visited Oct. 17, 2019. Available at URL: https://www.amazon.com/MOTOSPEED-Mechanical-Portable-Backlight-Extended/dp/B07MFTTFKT (Year: 2019).*

TenKeyPad 2, FILCO, diatec.co, author not listed, published on Dec. 27, 2017 per wayback machine © 2015 Diatec Corporation, online, site visited Nov. 29, 2019. Available at URL: https://www.diatec.co.jp/en/det.php?prod_c=3240 (Year: 2017).*

"Logitech K800 Wireless Illuminated Keyboard—Backlit Keyboard, Fast-Charging, Dropout-Free 2.4GHz Connection", Retrieved Aug. 1, 2019]. Retrieved from Internet, https://www.amazon.com/Logitech-K800-Wireless-Illuminated-Keyboard/dp/B003VAGXWK/ref=sr_1_13.

"Microsoft Wireless Desktop 900 (PT3-00001)", Retrieved Aug. 6, 2019]. Retrieved from Internet, https://www.amazon.com/Microsoft-Wireless-Desktop-900-PT3-00001/dp/B014W20BFA/ref=sr_1_37.

"MoKo Slim Keyboard and Mouse Set Ultra-Thin 2.4G Light Full-Size Wireless Keyboard & Mouse Combo with Nano USB Receiver for Android, Windows, Laptop, Desktop, PC, Notebook, Computer—Black", Retrieved Aug. 6, 2019]. Retrieved from Internet, https://www.amazon.com/MoKo-Keyboard-Ultra-thin-Full-Size-Wireless/dp/B07DPKPVSN/ref=sr_1_28_sspa.

* cited by examiner

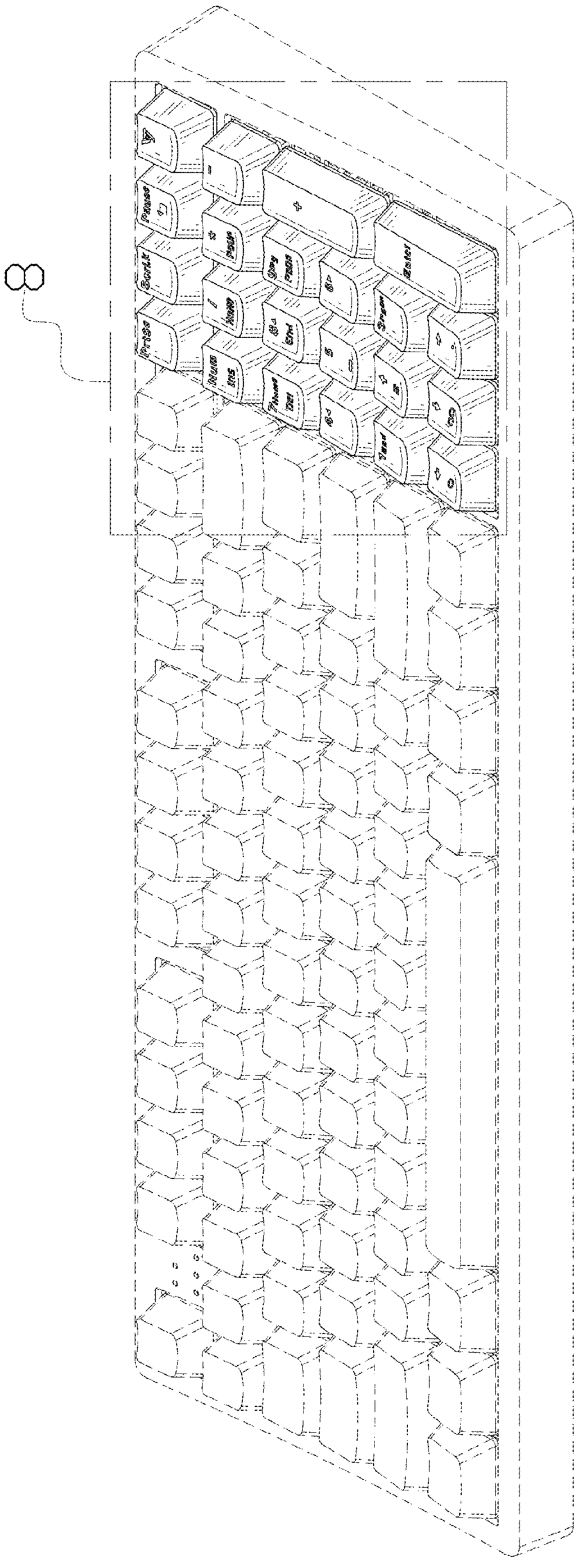
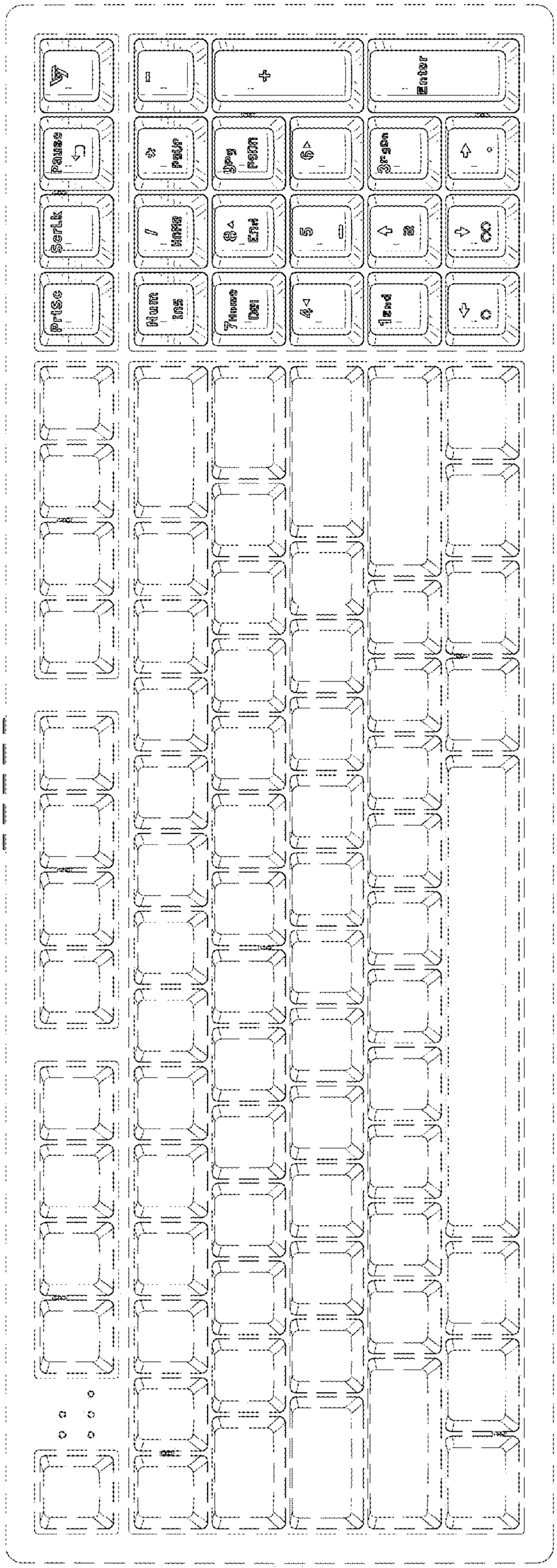


FIG. 1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ScrLk
Pause
Num Ins
/ Home
* PgUp
7 Home Del
8 End
9 PgDn
4
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1 End
2
3 PgDn
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Enter

FIG. 2

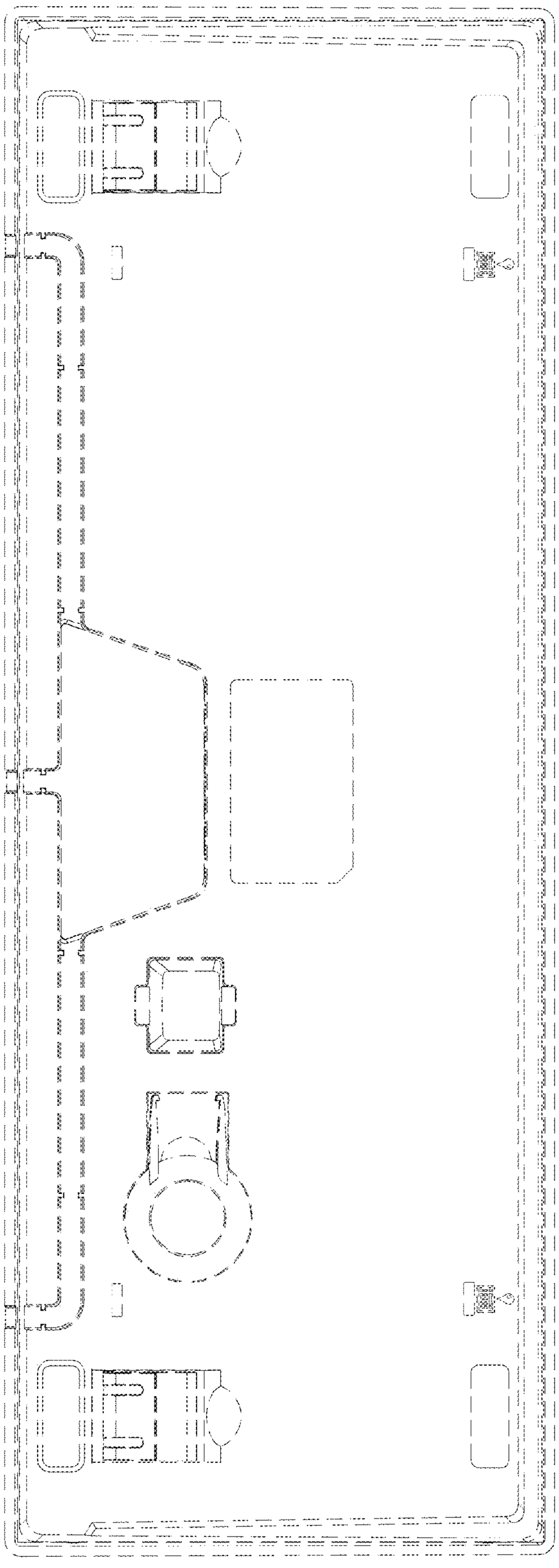
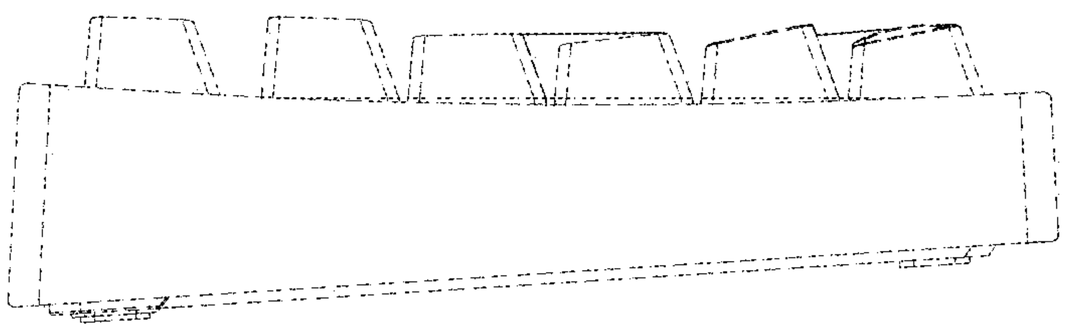


FIG. 3



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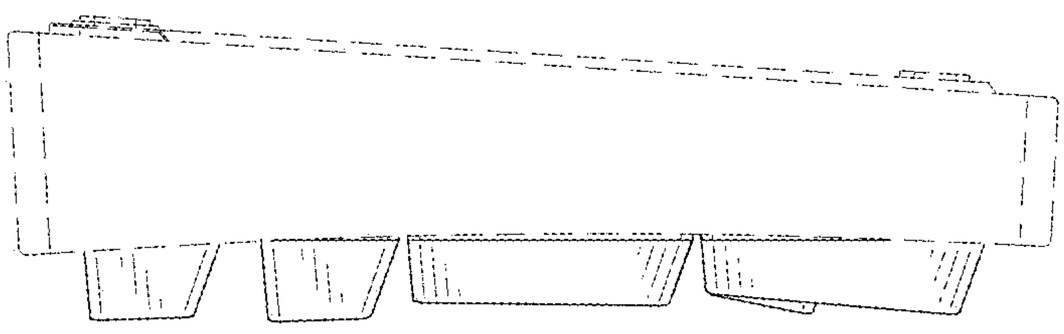

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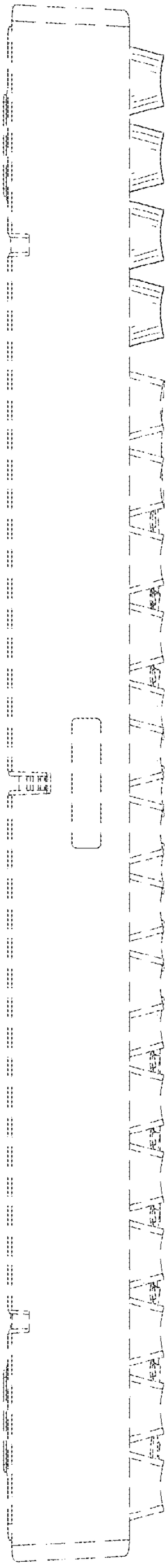

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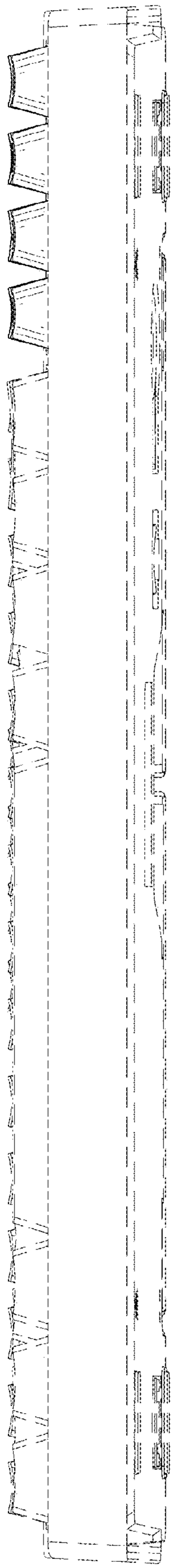

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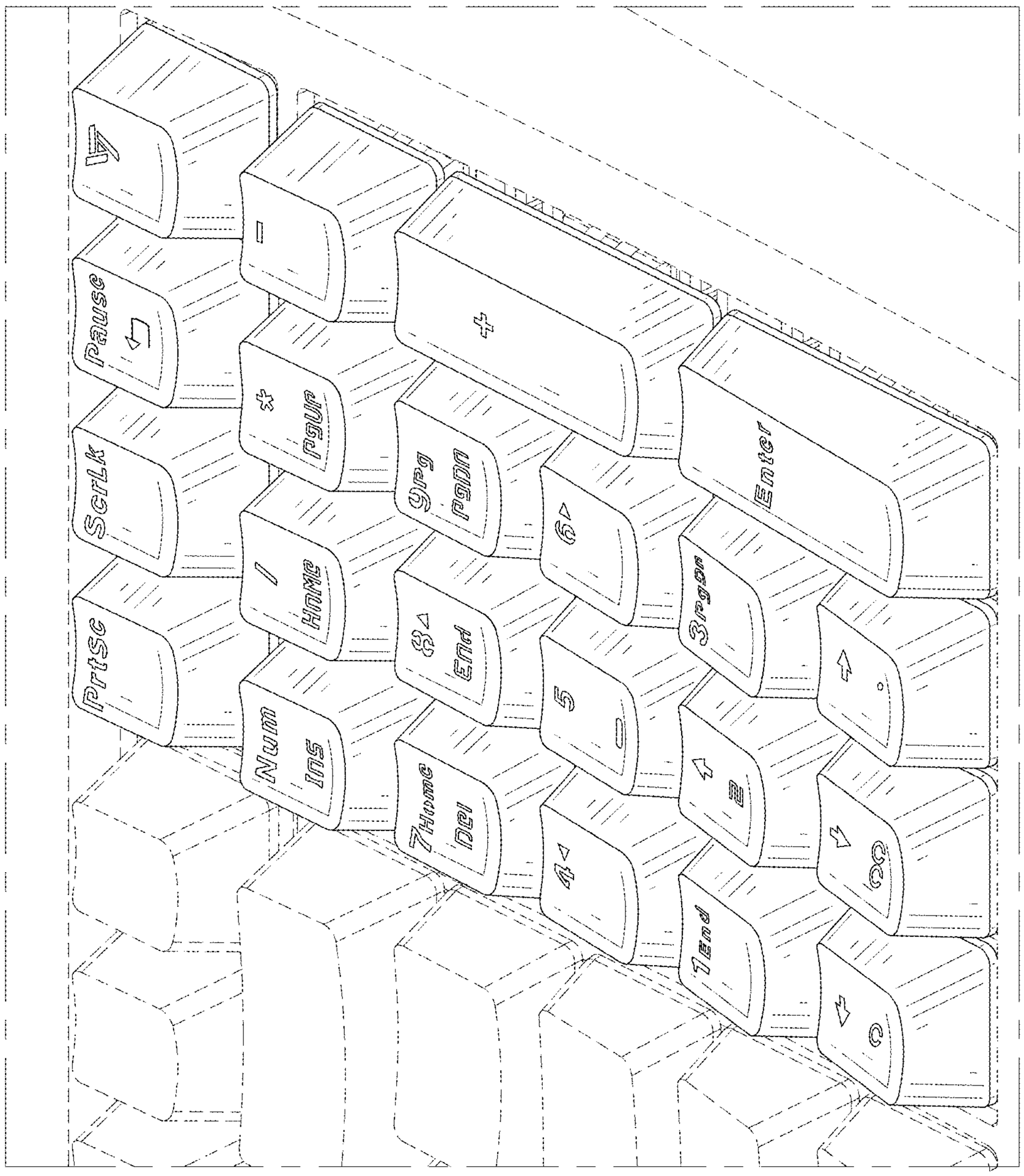
PrtSc
ScrLk
Pause
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Ins
Home
PgUp
7 Home
Del
End
PgDn
Enter
Esc
Del
End

FIG. 8

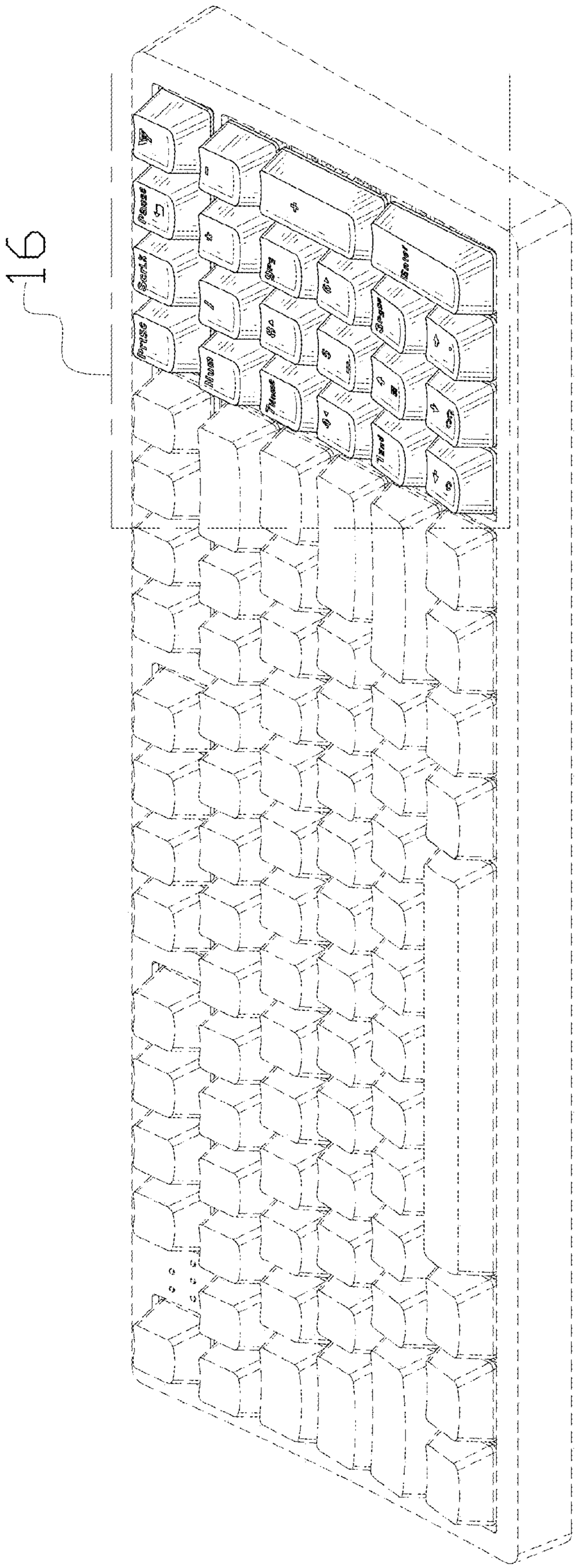


FIG. 9

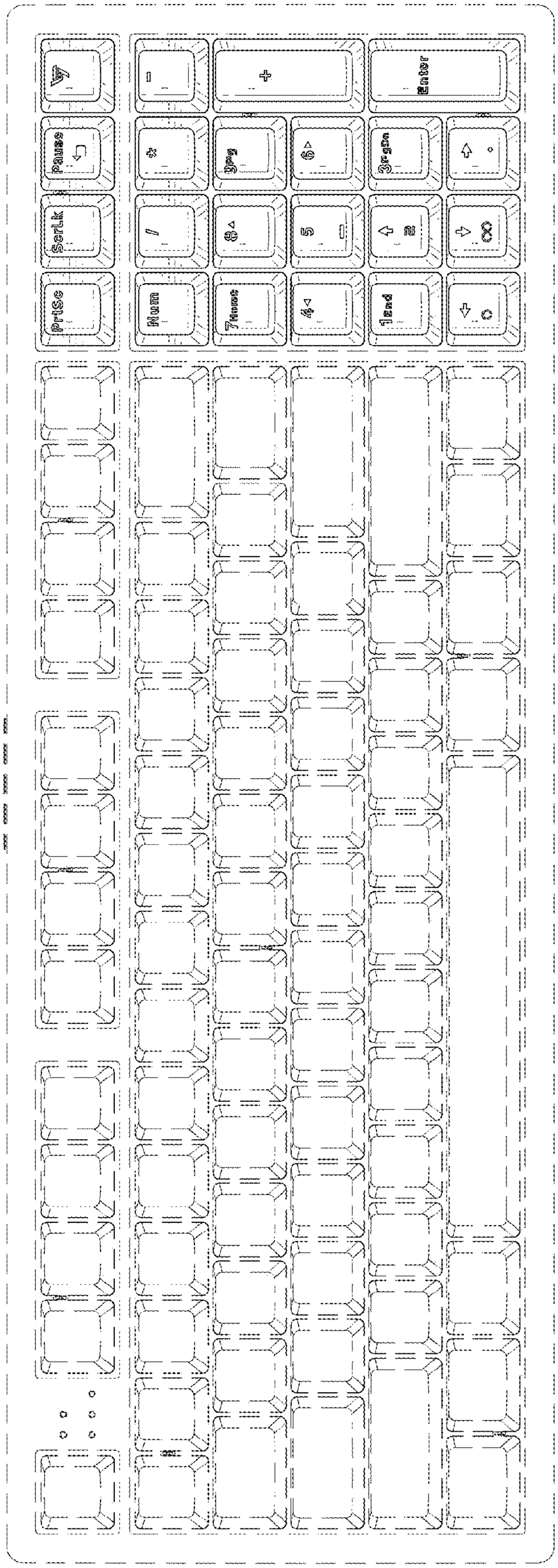


FIG. 10

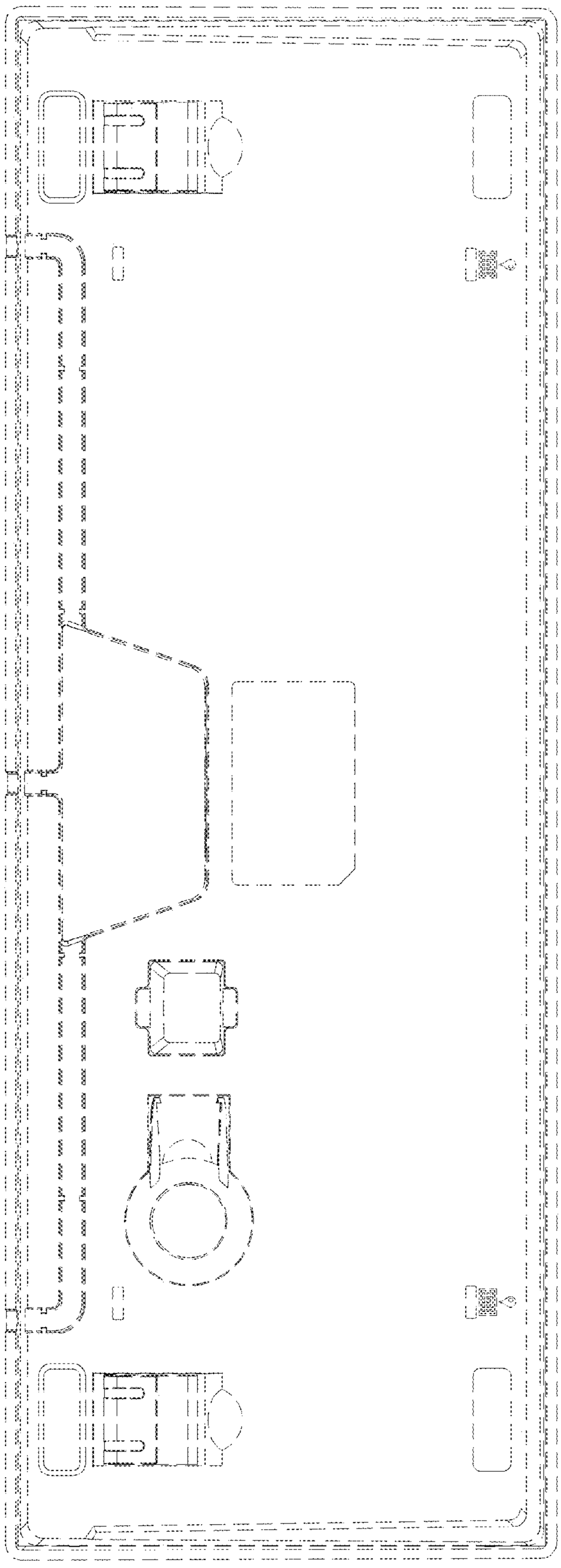


FIG. 11

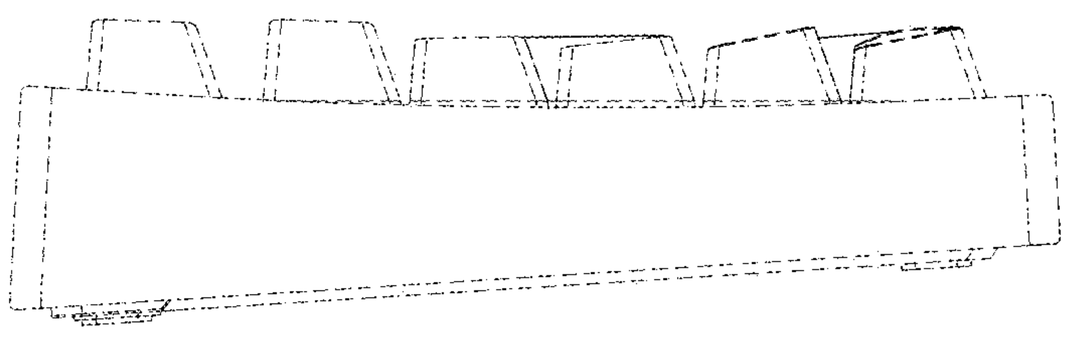


FIG. 12

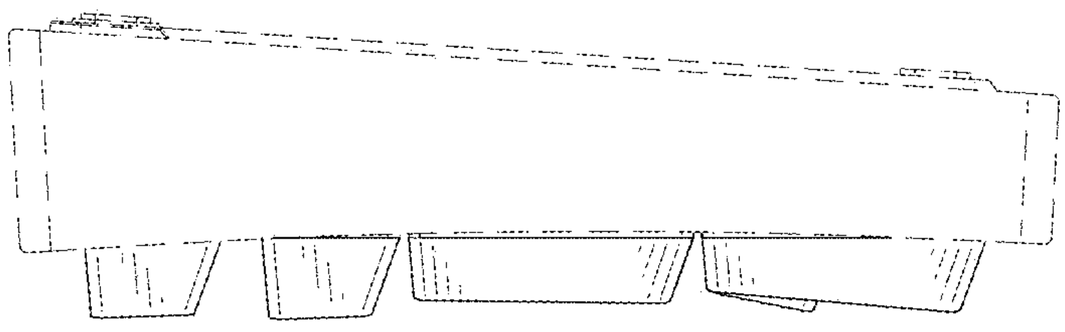


FIG. 13

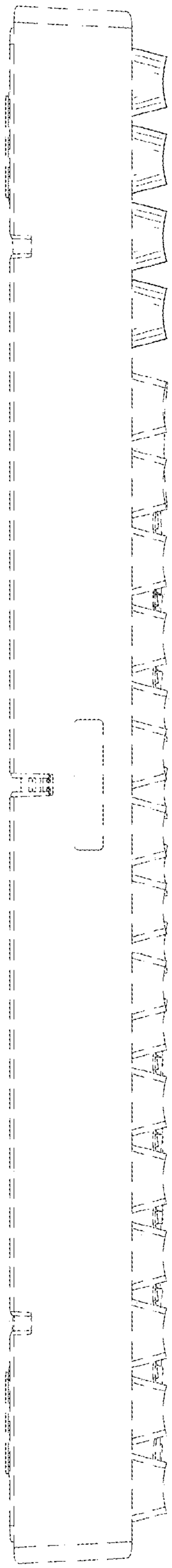


FIG. 14

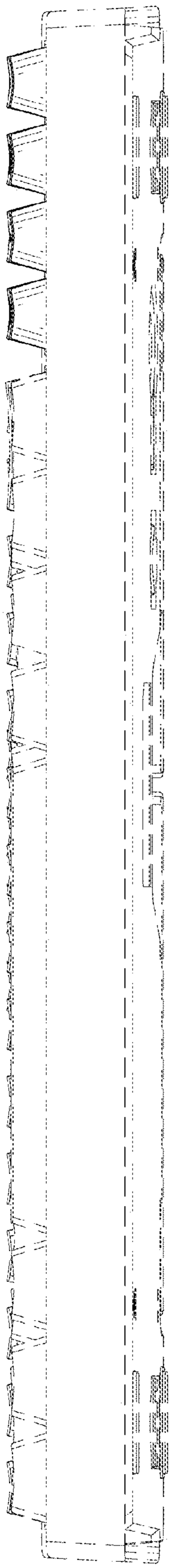


FIG. 15

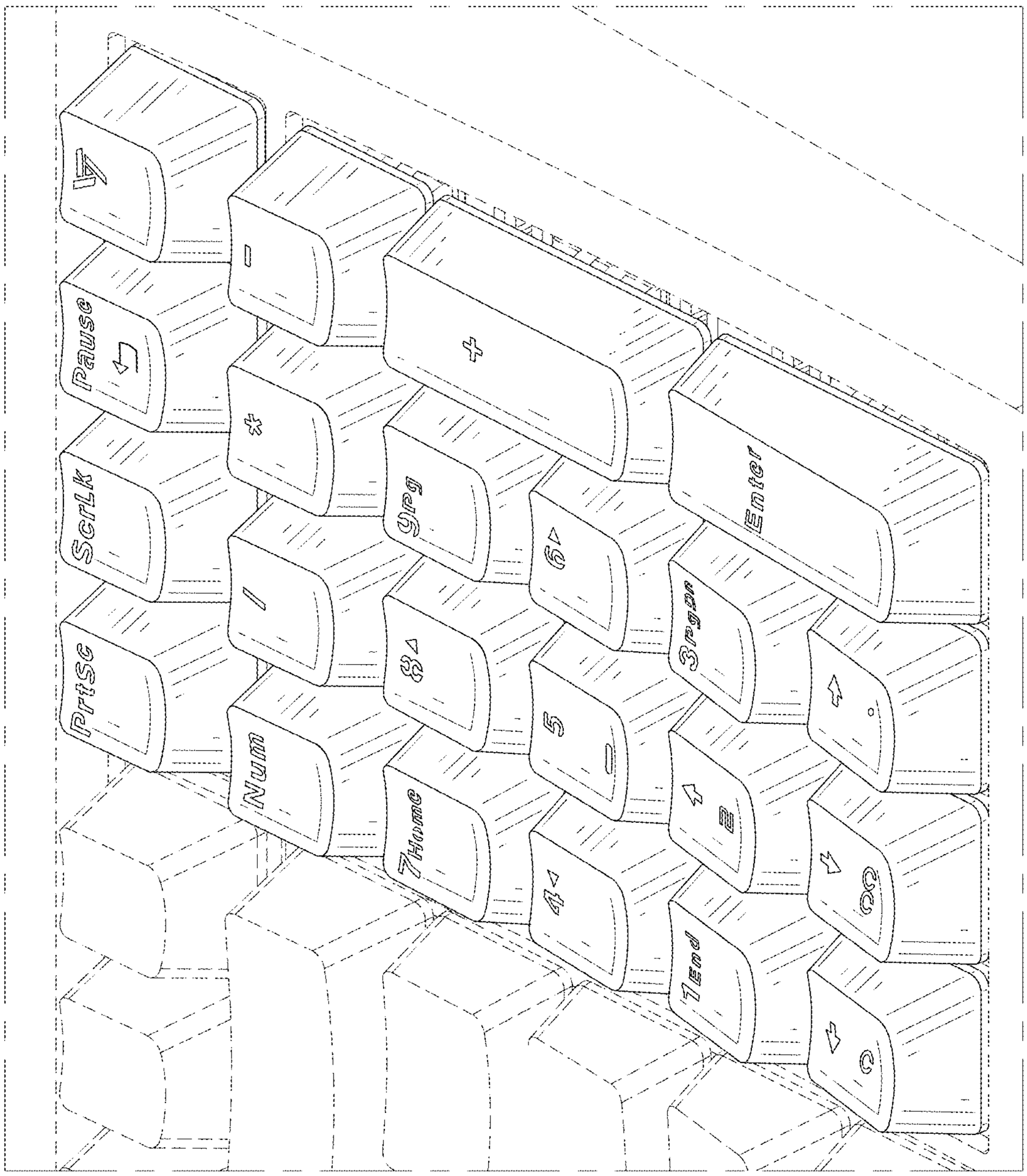


FIG. 16

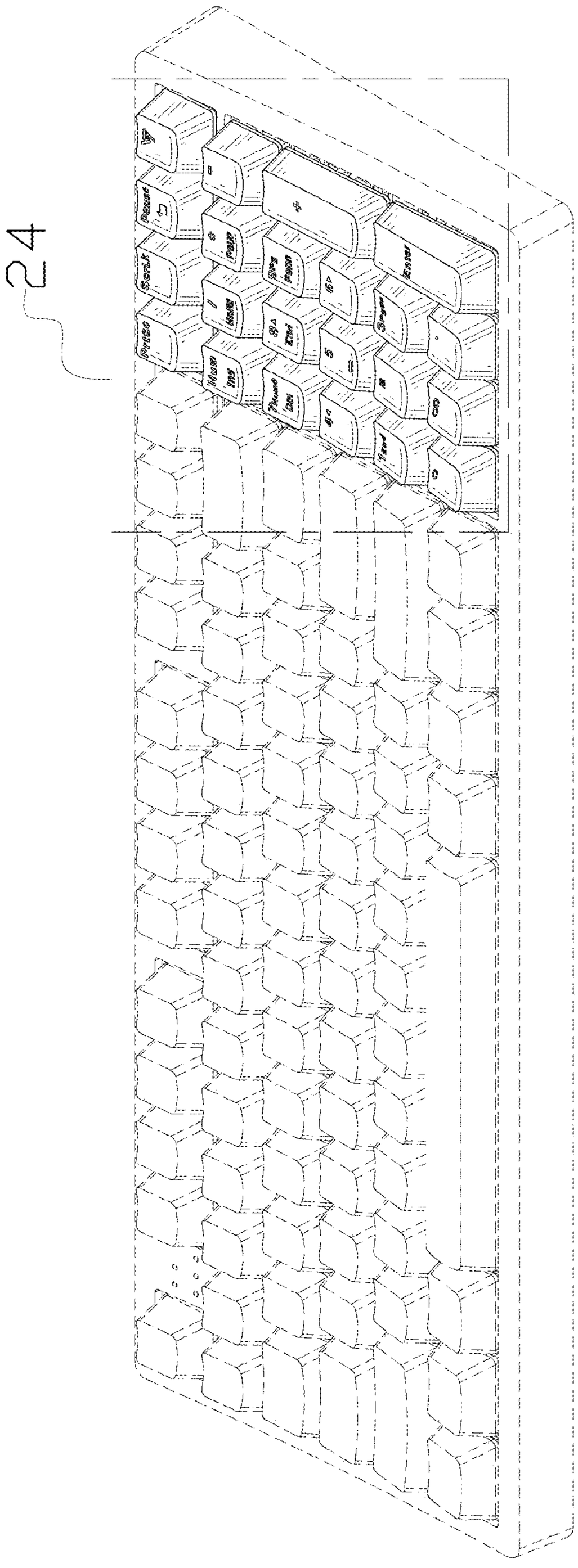
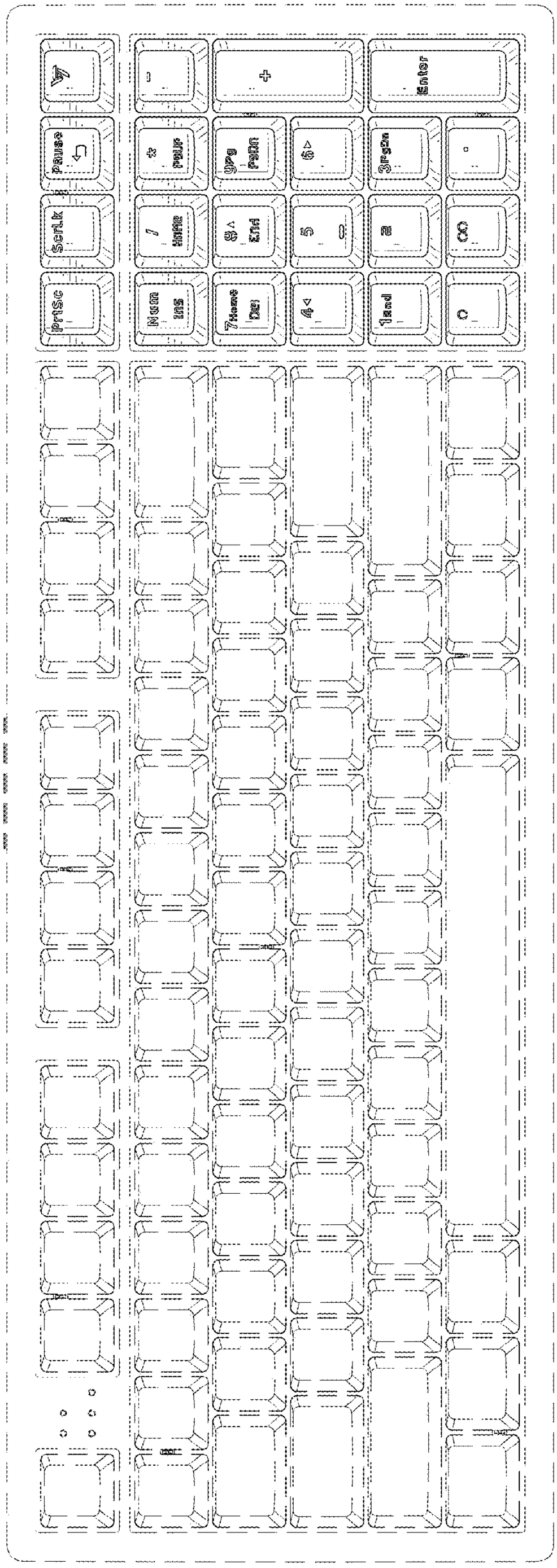


FIG. 17



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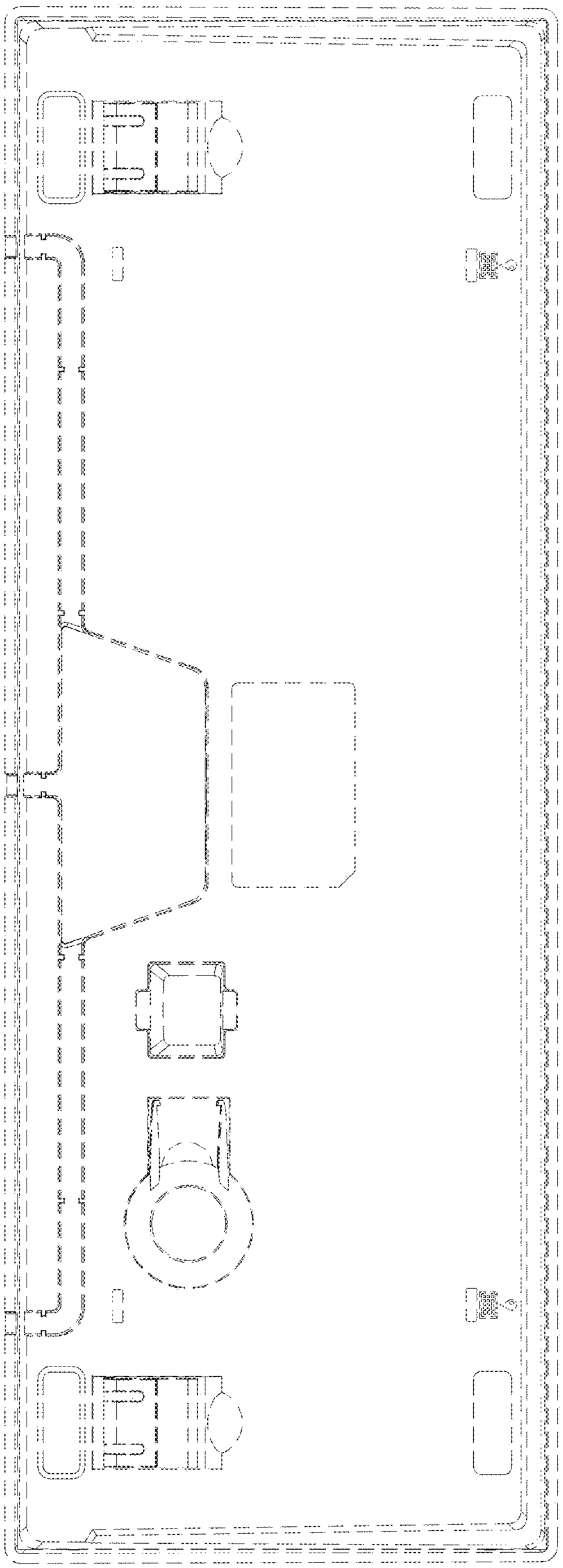

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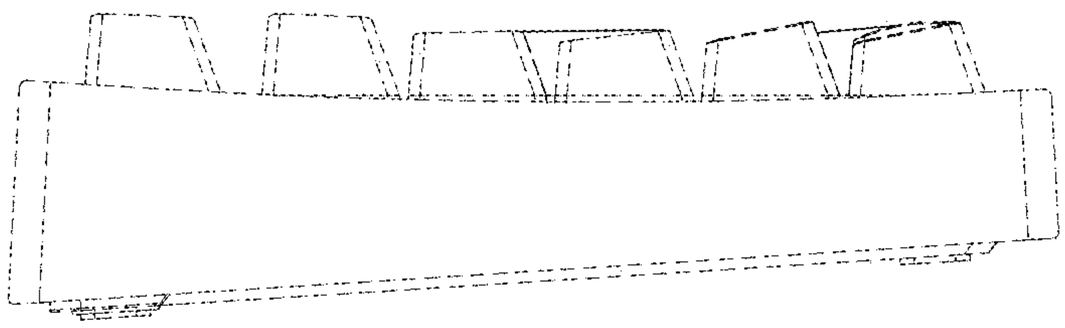

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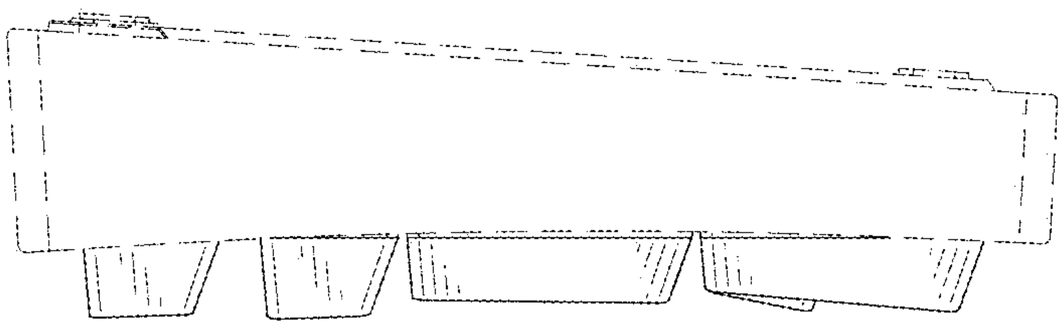

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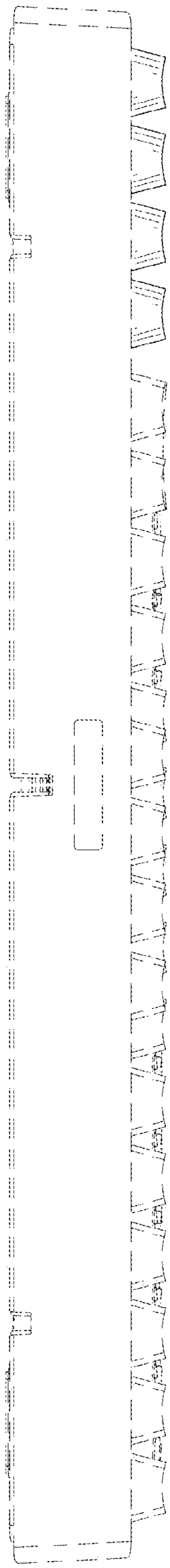

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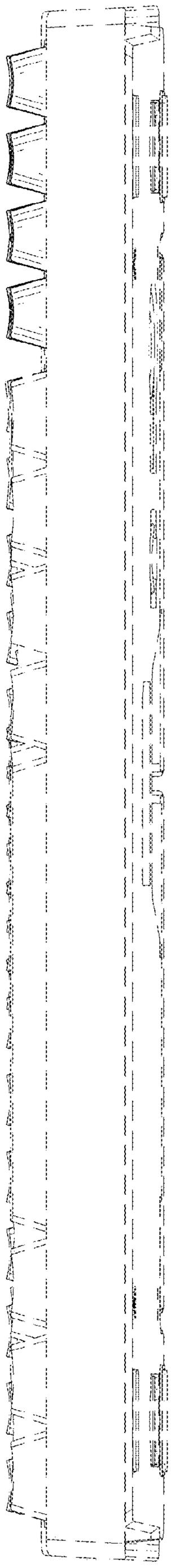
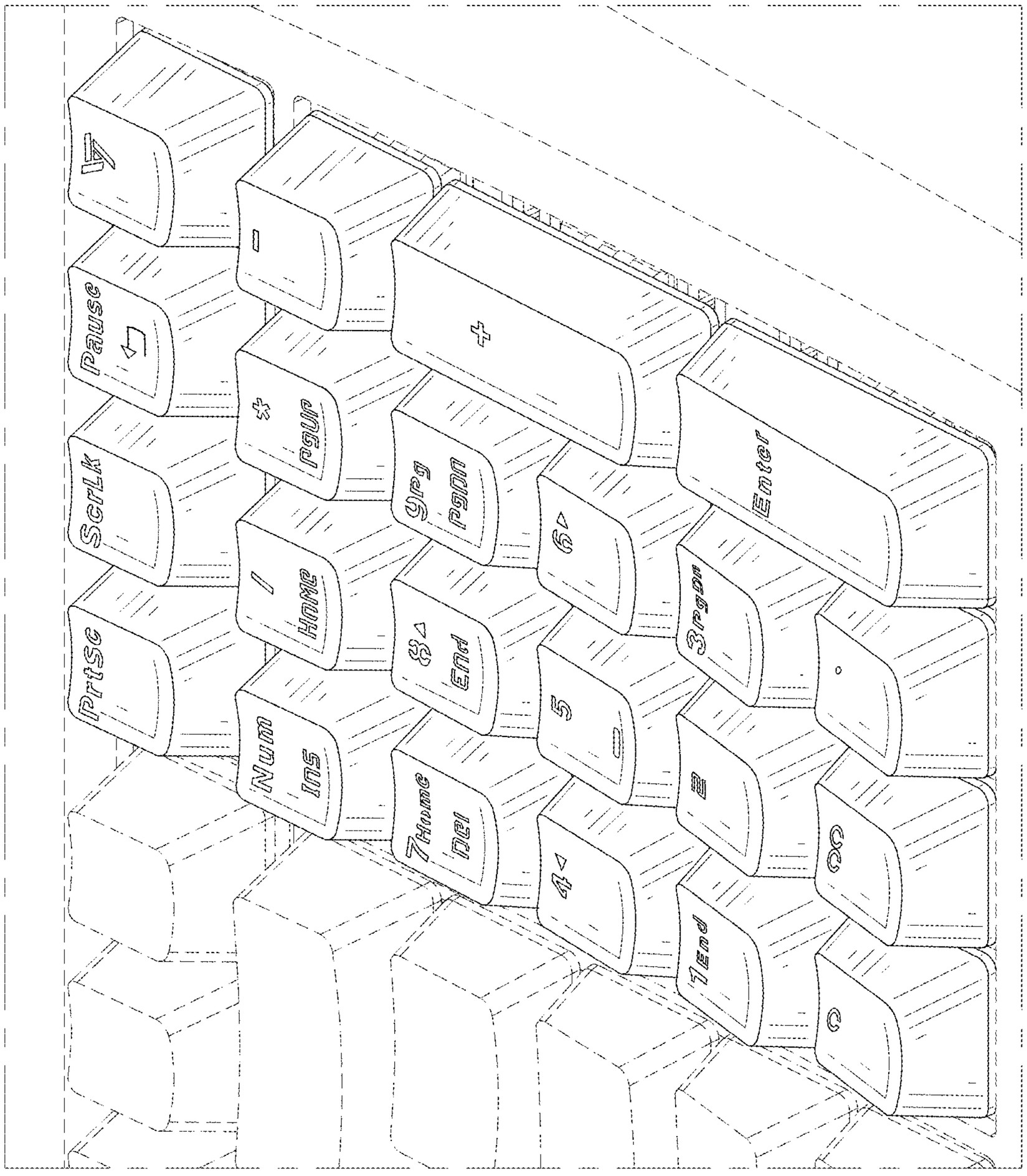


FIG. 23


7
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Pgup
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Ins
8
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6
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2
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FIG. 24

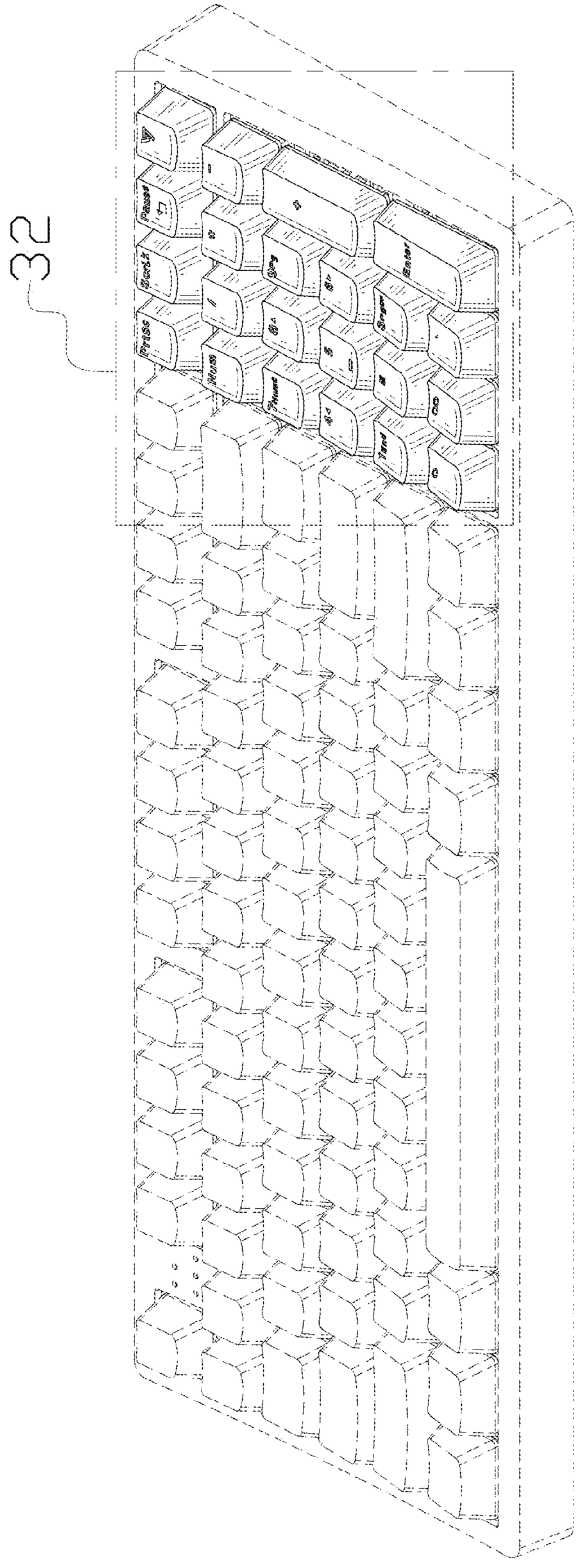

FIG. 25

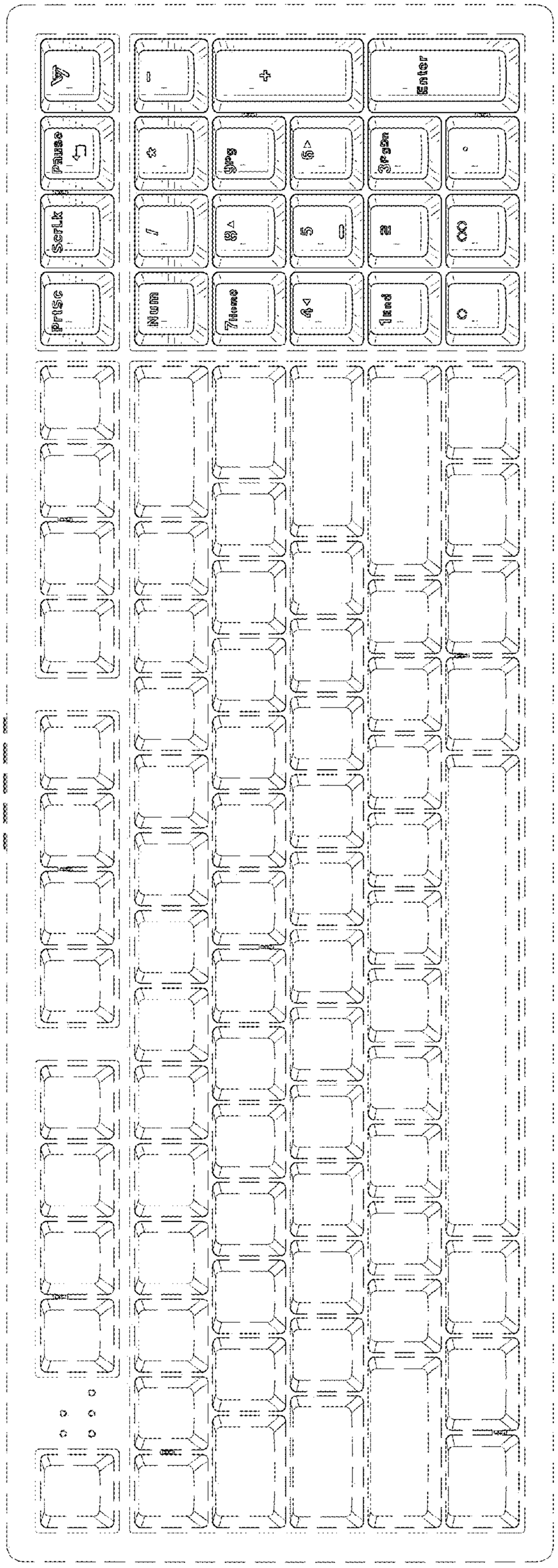

FIG. 26

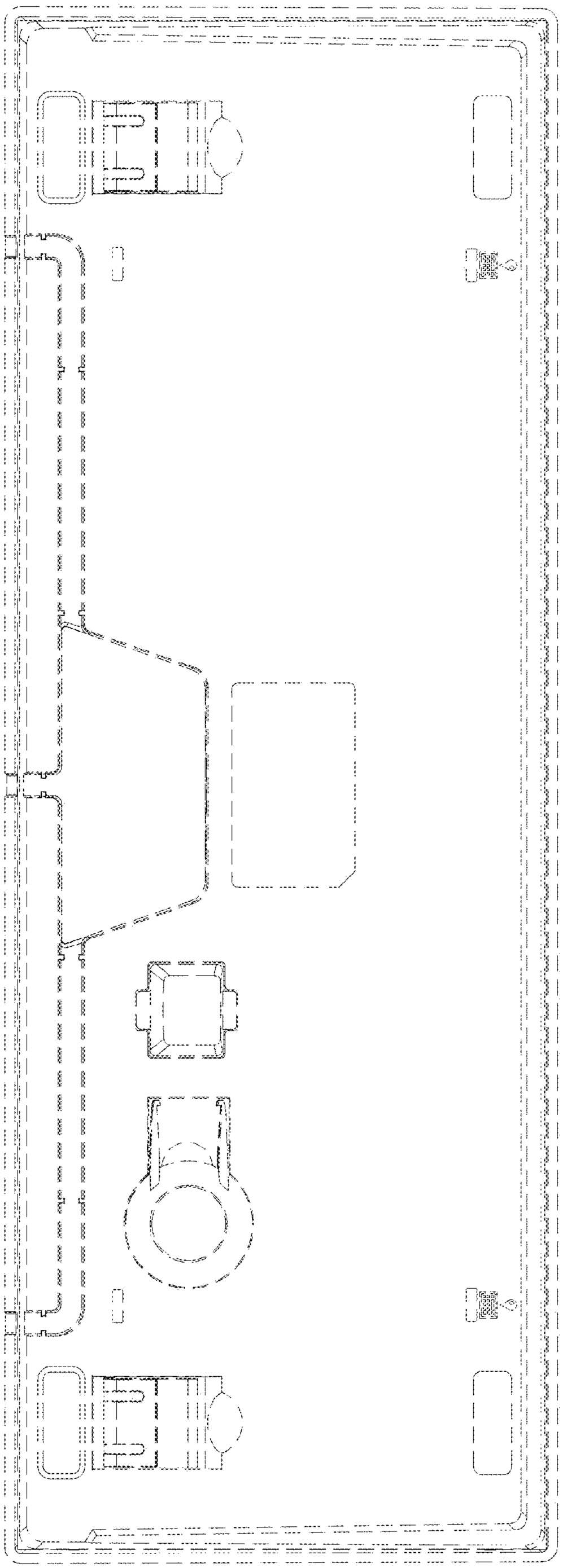

FIG. 27

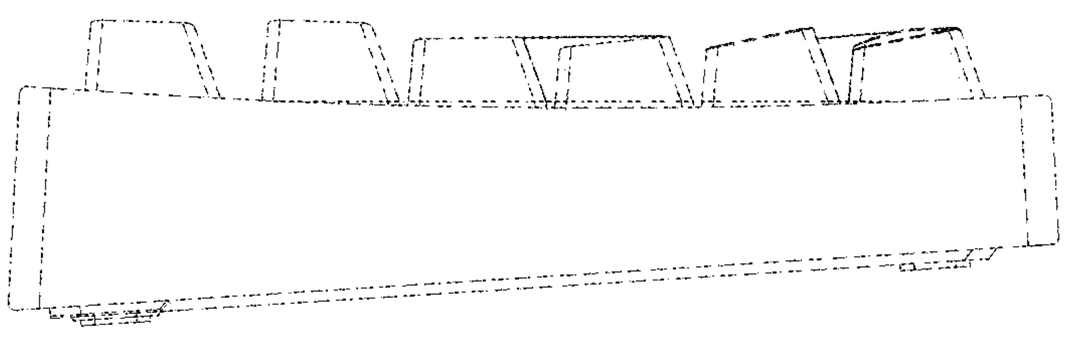

FIG. 28

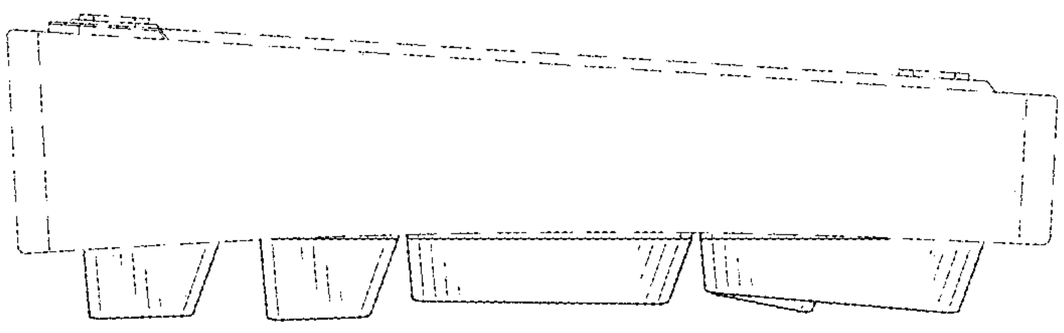

FIG. 29

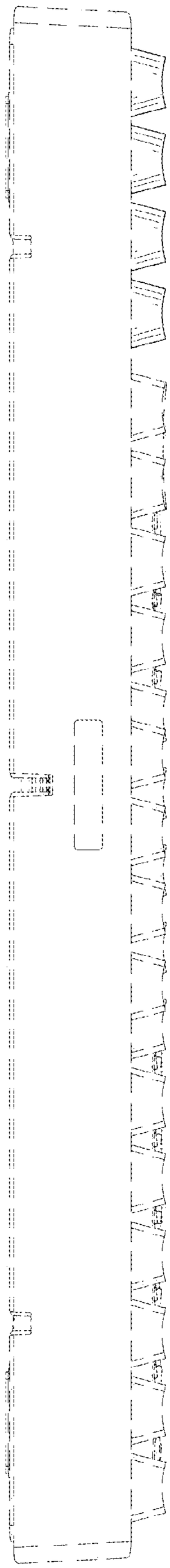

FIG. 30

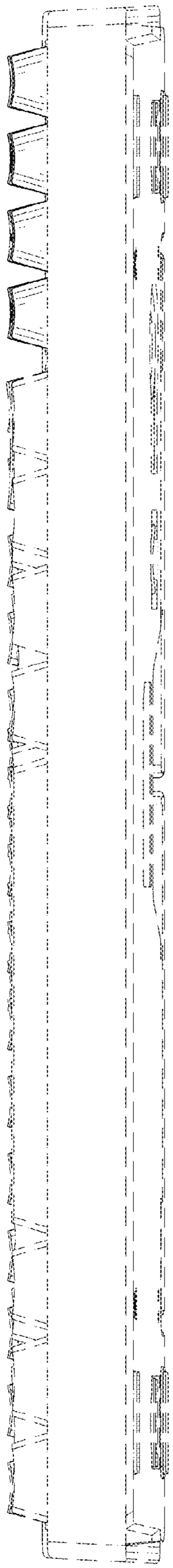

FIG. 31

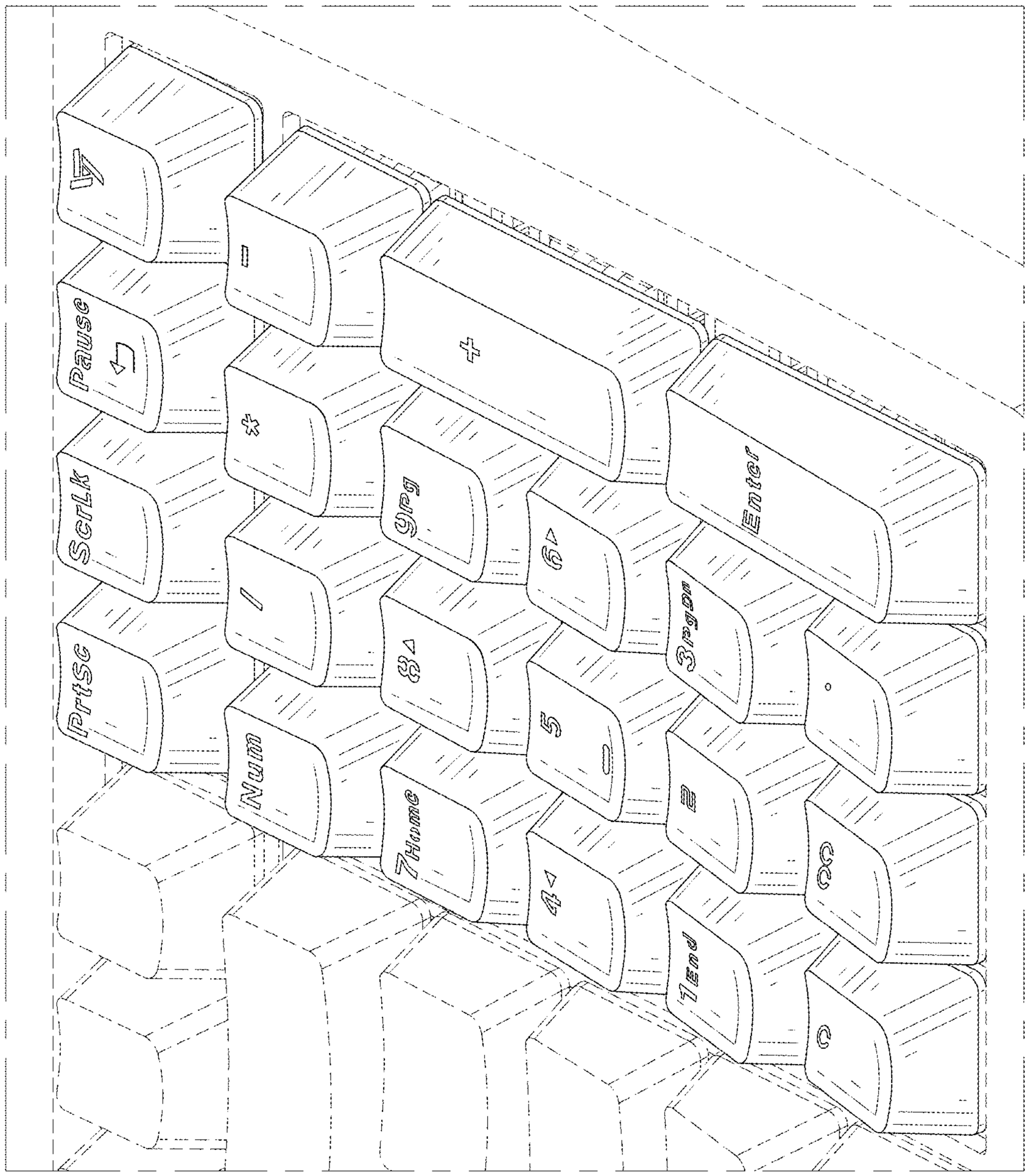

FIG. 32