



US00D819639S

(12) **United States Design Patent** (10) **Patent No.:** **US D819,639 S**
Raken et al. (45) **Date of Patent:** **** Jun. 5, 2018**

(54) **KEYBOARD**

(71) Applicant: **Microsoft Corporation**, Redmond, WA (US)

(72) Inventors: **Jan Raken**, Seattle, WA (US); **Rachael Bell**, Seattle, WA (US); **Richard Dean Harley**, Sammamish, WA (US); **James Alec Ishihara**, Bellevue, WA (US); **Kate Bailey**, Seattle, WA (US)

(73) Assignee: **Microsoft Corporation**, Redmond, WA (US)

D365,334 S 12/1995 Peart
D386,754 S 11/1997 Gifford et al.
5,793,359 A 8/1998 Ushikubo
6,129,270 A 10/2000 Piazza
6,312,175 B1 11/2001 Lum
6,439,785 B1 8/2002 Liu
D462,354 S 9/2002 Kimbre et al.
6,882,524 B2 4/2005 Ulla et al.
D504,889 S 5/2005 Andre et al.
6,947,031 B2 9/2005 Sandbach et al.
D516,079 S 2/2006 Solomon et al.
D516,080 S 2/2006 Sakamoto et al.
D517,068 S 3/2006 Sakamoto et al.
D517,552 S 3/2006 Sakamoto et al.
D521,513 S 5/2006 Neal et al.
D522,013 S 5/2006 Sakamoto et al.
7,102,614 B2 9/2006 Sandbach et al.
7,154,452 B2 12/2006 Nakamura et al.

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

(21) Appl. No.: **29/604,234**

(22) Filed: **May 16, 2017**

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

(52) **U.S. Cl.**
USPC **D14/391**

(58) **Field of Classification Search**
USPC D14/315-327, 391-399, 455, 456;
D18/1, 2, 7, 11; 235/145 A, 145 R;
341/22, 23; 345/104, 156, 168, 169, 173;
361/679.08, 679.09, 679.11, 679.26,
361/679.27

CPC G06F 1/16; G06F 1/1616; G06F 1/1626;
G06F 1/1632; G06F 1/1613; G06F
1/1601; G06F 1/1618; G06F 1/162; G06F
3/0221; G06F 3/0216; H01R 35/02;
H03M 11/00; G09B 13/04; H03K 17/94;
G09G 5/00; F16M 11/10; H05K 5/00;
H04M 1/0237; H01H 13/14; H01H 13/84;
B41J 5/00; B41J 5/12; B41J 5/10

See application file for complete search history.

(56) **References Cited**

U.S. PATENT DOCUMENTS

D319,632 S 9/1991 Heimburger
D331,191 S 11/1992 Ventola et al.

Primary Examiner — Freda S Nunn

(74) *Attorney, Agent, or Firm* — Banner & Witcoff, Ltd.

(Continued)

(57) **CLAIM**

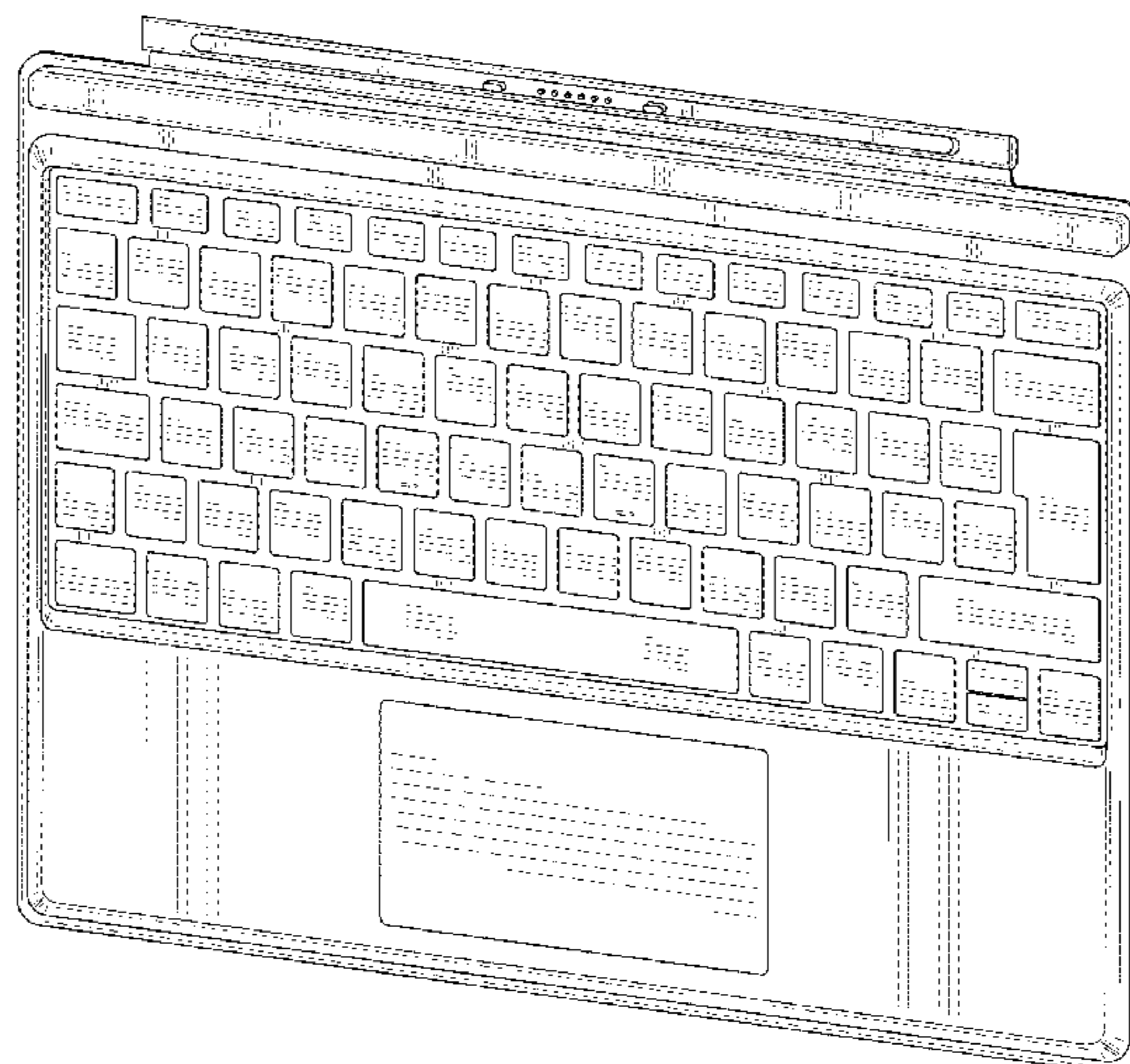
The ornamental design for a keyboard, as shown and described.

DESCRIPTION

FIG. 1 is a front perspective view of a keyboard showing our new design;
FIG. 2 is a front view thereof;
FIG. 3 is a rear view thereof;
FIG. 4 is a left side view thereof;
FIG. 5 is a right side view thereof;
FIG. 6 is a top view thereof; and,
FIG. 7 is a bottom view thereof.

The broken line showing of the two unshaded obround elements of the keyboard in FIGS. 1 and 2 illustrates environmental structure and forms no part of the claimed design.

1 Claim, 5 Drawing Sheets



(56)

References Cited

U.S. PATENT DOCUMENTS

D537,831 S	3/2007	Steiner et al.	D695,745 S	12/2013	Kim	
D538,096 S	3/2007	Bartell et al.	D696,262 S	12/2013	Groene et al.	
D538,575 S	3/2007	Bartell et al.	D697,512 S	1/2014	Akana et al.	
D544,490 S	6/2007	O'Neil	D705,227 S	5/2014	Groene et al.	
D544,862 S	6/2007	Amid	D706,270 S	6/2014	Akana et al.	
7,342,776 B1	3/2008	Chan	D712,132 S	9/2014	O'Connor	
D567,240 S	4/2008	Griffin	D717,299 S	* 11/2014	Kirpalani	D14/391
7,440,267 B2	10/2008	Tatsukami et al.	D720,748 S	1/2015	Groene et al.	
D584,304 S	1/2009	Lin	D728,583 S	5/2015	Choi et al.	
D603,398 S	11/2009	Watson et al.	D731,485 S	6/2015	Kim et al.	
D627,777 S	11/2010	Akana et al.	D731,486 S	6/2015	Kim et al.	
D635,564 S	4/2011	Li	D732,044 S	6/2015	Longo et al.	
D638,833 S	5/2011	Chuang	D733,153 S	6/2015	Longo et al.	
D638,836 S	5/2011	Daniel	D734,757 S	7/2015	Myung et al.	
D650,380 S	12/2011	Bailout	D734,762 S	7/2015	Itano et al.	
D653,665 S	2/2012	Maruyama	D740,296 S	10/2015	Itano et al.	
D658,186 S	4/2012	Akana et al.	D740,831 S	* 10/2015	Colby	D14/455
D658,187 S	4/2012	Diebel	D748,094 S	1/2016	Mecchella et al.	
D658,188 S	4/2012	Diebel	D750,629 S	3/2016	Kim et al.	
D659,139 S	5/2012	Gengler	D751,553 S	3/2016	Kim et al.	
D663,304 S	7/2012	Akana et al.	D753,121 S	* 4/2016	Sauvage	D14/440
D669,069 S	10/2012	Akana et al.	D753,648 S	4/2016	Shyu et al.	
D669,468 S	10/2012	Akana et al.	D754,659 S	4/2016	Kim et al.	
D670,286 S	11/2012	Akana et al.	D754,660 S	4/2016	Kim et al.	
D671,948 S	12/2012	Akana et al.	D755,782 S	5/2016	Shyu et al.	
D676,848 S	2/2013	Smith et al.	D761,267 S	7/2016	Chen et al.	
D678,276 S	3/2013	Park et al.	D775,130 S	12/2016	Otani	
D678,277 S	3/2013	Groene et al.	D780,758 S	3/2017	Bailey et al.	
D678,300 S	3/2013	Groene et al.	2002/0063691 A1	5/2002	Rogers et al.	
D678,880 S	3/2013	Groene et al.	2005/0052831 A1	3/2005	Chen	
D678,881 S	3/2013	Groene et al.	2006/0152898 A1	7/2006	Hirayama	
D678,882 S	3/2013	Groene et al.	2006/0180450 A1	8/2006	Clark et al.	
D682,832 S	5/2013	Smith et al.	2007/0097087 A1	5/2007	Homer et al.	
D682,838 S	5/2013	Akana et al.	2009/0159763 A1	6/2009	Kim	
D684,582 S	6/2013	Jitkoff	2011/0062008 A1	3/2011	Cheng et al.	
D684,983 S	6/2013	Wu et al.	2012/0140396 A1	6/2012	Zeliff et al.	
D688,242 S	8/2013	Smith et al.	2012/0147541 A1	6/2012	Chen et al.	
D691,142 S	10/2013	Diebel	2012/0194448 A1	8/2012	Rothkopf	
D692,902 S	11/2013	Groene et al.	2013/0170126 A1*	7/2013	Lee	G06F 1/1654 361/679.17
			2015/0212588 A1	7/2015	Fujioka	

* cited by examiner

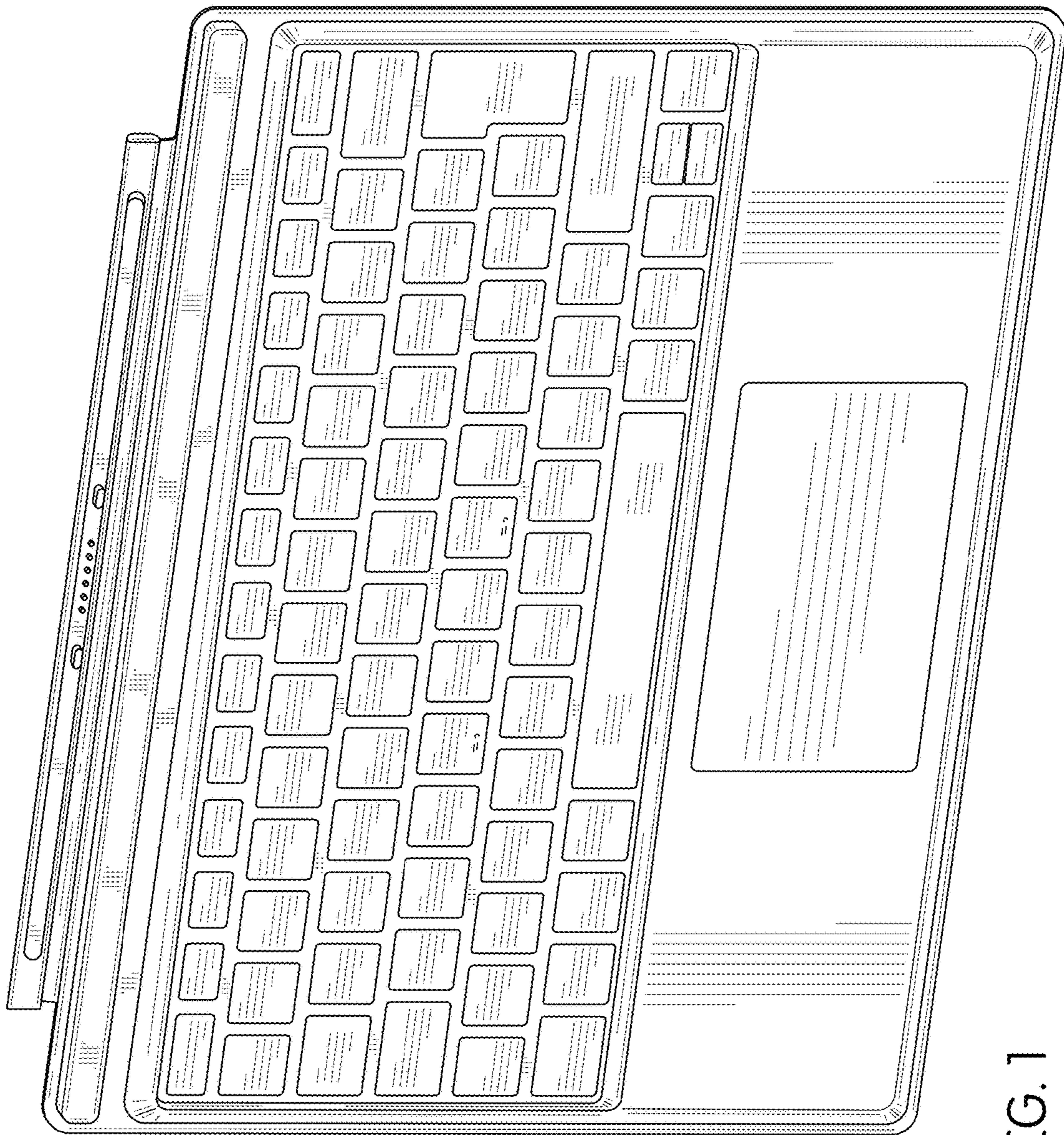


FIG. 1

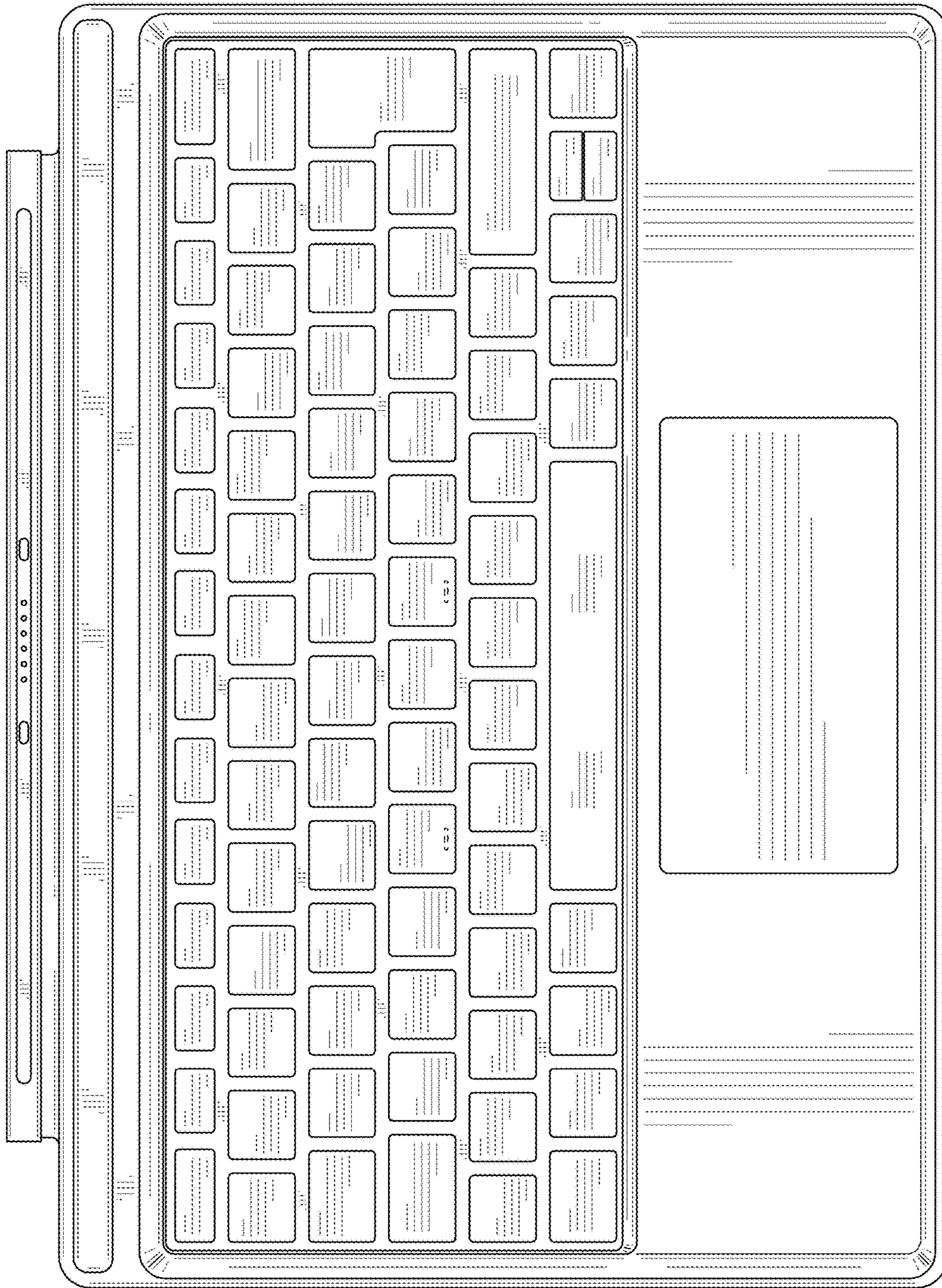


FIG. 2

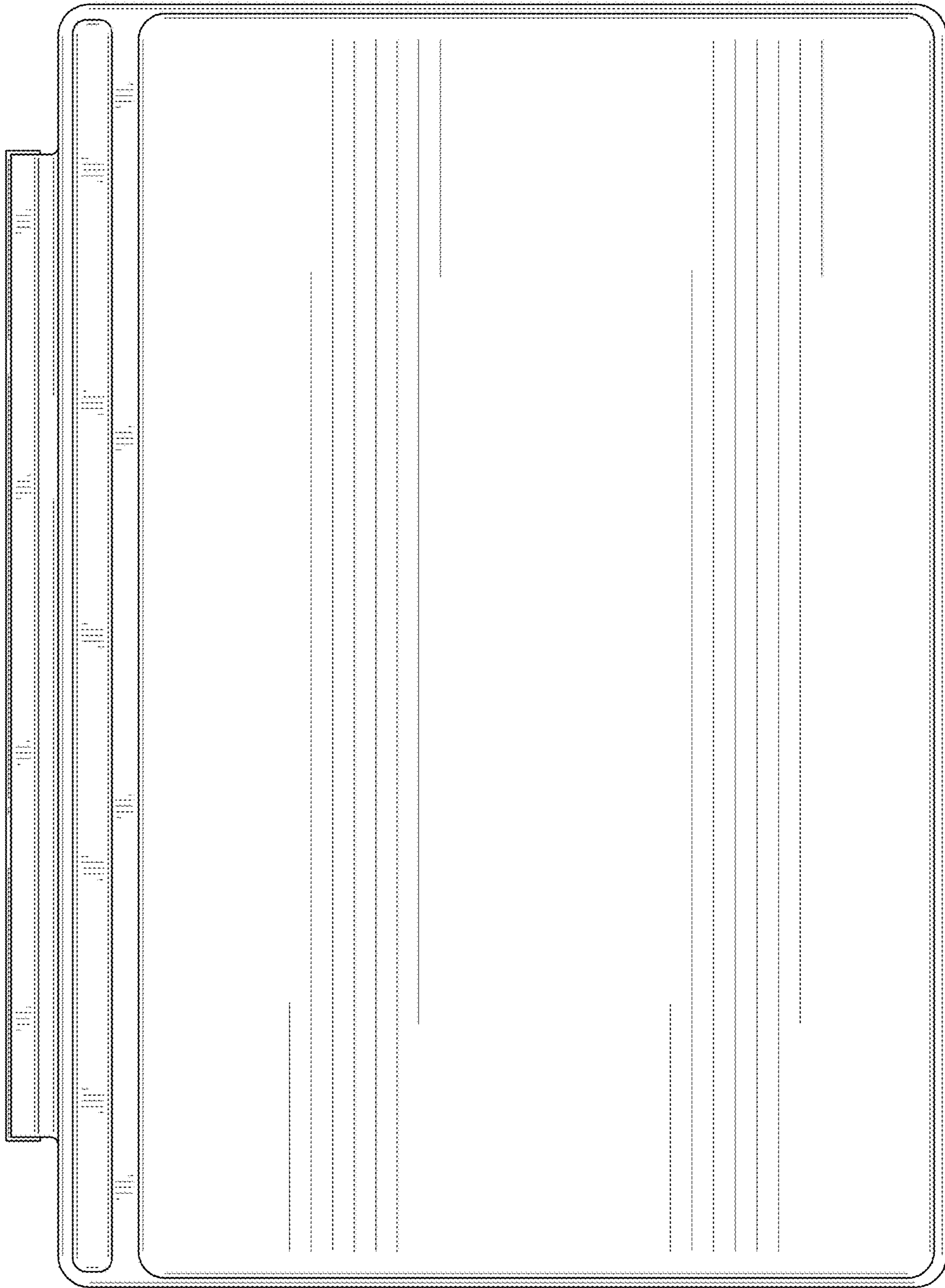


FIG. 3



FIG. 4

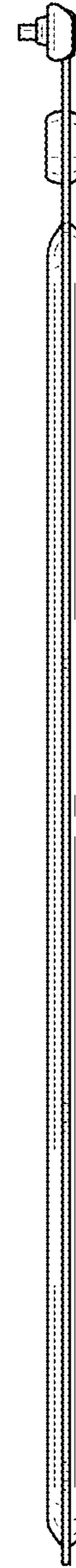


FIG. 5

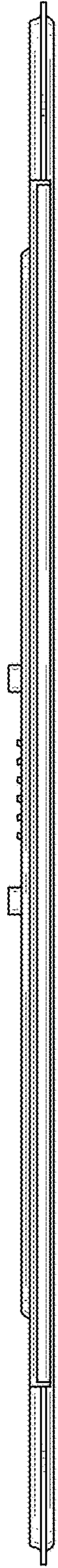


FIG. 6



FIG. 7