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(12) **United States Design Patent**
Lee et al.

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(54) **DOCKING KEYBOARD**

FOREIGN PATENT DOCUMENTS

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KR 3002119350000 12/1997
KR 3002119350001 12/1997

(Continued)

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OTHER PUBLICATIONS

U.S. Appl. No. 29/390,398, Applicant Dae-Joun Kim et al., filed Apr. 25, 2011, entitled Wireless Keyboard.

(Continued)

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(**) Term: **14 Years**

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(21) Appl. No.: **29/452,598**

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(22) Filed: **Apr. 18, 2013**

(57) **CLAIM**

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

(30) **Foreign Application Priority Data**

DESCRIPTION

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(51) **LOC (10) Cl.** **14-02**

(52) **U.S. Cl.**
USPC **D14/455**

(58) **Field of Classification Search**
USPC D14/240, 315, 391-399, 443, 455, 456,
D14/433; D18/1, 2, 7, 11; 178/17 A, 17 C;
200/5 A, 5 R, 6 A, 6 R; 235/145 A, 145 R;
341/20-23; 345/156, 160, 168, 169,
345/173, 700; 361/679.08, 679.09, 679.55,
361/679.59, 679.17, 679.44, 679.41,
361/679.01, 679.26; 400/484-489, 492,
400/472

See application file for complete search history.

FIG. 1 is a top front perspective view of a docking keyboard showing our 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 a top front perspective view thereof in case of placing a tablet computer on the present docking keyboard while it is not in use or is in motion;
FIG. 9 is a top front perspective view thereof showing the connection of a tablet computer and the present docking keyboard in tablet computer mode; and,
FIG. 10 is a top front perspective view thereof showing the connection of a tablet computer and the present docking keyboard in notebook computer mode.
The broken line showing illustrates portions of the docking keyboard which form no part of the claimed design.

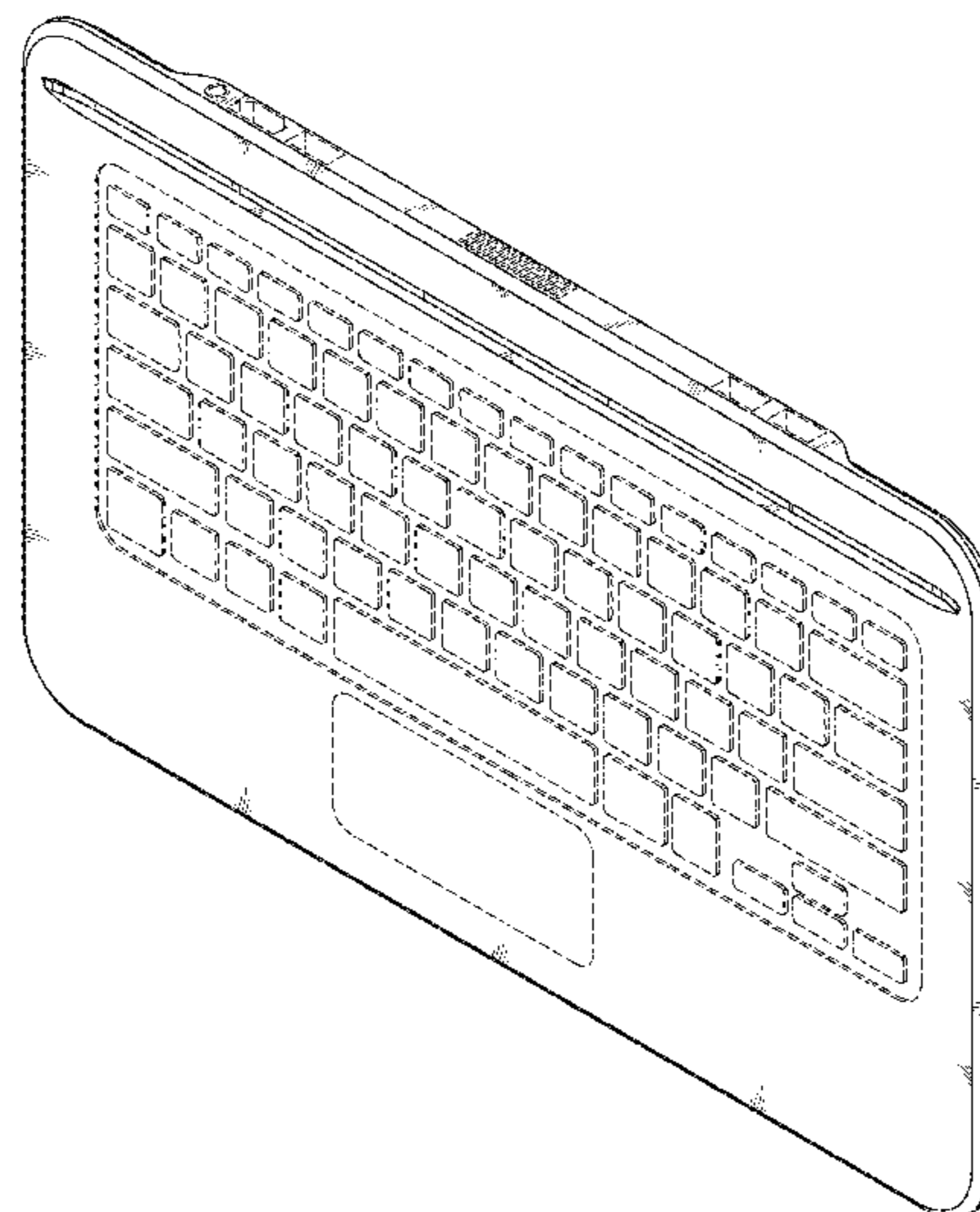
(56) **References Cited**

U.S. PATENT DOCUMENTS

D286,047 S 10/1986 Roots et al.
D301,037 S 5/1989 Matsuda

(Continued)

1 Claim, 7 Drawing Sheets



(56)

References Cited

U.S. PATENT DOCUMENTS

D308,855 S 6/1990 Schaum
 D310,219 S 8/1990 Carlile
 D327,881 S 7/1992 McFarlane
 D329,848 S 9/1992 Mizusugi et al.
 5,267,123 A 11/1993 Boothroyd et al.
 D350,747 S 9/1994 McClendon
 5,439,304 A 8/1995 Phillips et al.
 5,887,723 A 3/1999 Myles et al.
 D440,566 S 4/2001 Chou
 D445,793 S 7/2001 Ji
 D466,898 S 12/2002 Hoornaert et al.
 6,829,140 B2 12/2004 Shimano et al.
 D501,478 S 2/2005 Tzeng et al.
 D518,053 S 3/2006 Chen
 D521,986 S 5/2006 Depay et al.
 D534,900 S 1/2007 Weitgasser et al.
 D549,667 S 8/2007 Huang
 D549,710 S 8/2007 Hyneczek et al.
 7,254,012 B2 8/2007 Chou
 D563,407 S 3/2008 Jawerth et al.
 D565,048 S 3/2008 Jawerth et al.
 D592,212 S 5/2009 Hamada et al.
 D598,451 S 8/2009 Andre et al.
 D601,148 S 9/2009 Akita
 D606,073 S 12/2009 O'Neil et al.
 D606,539 S 12/2009 Liao et al.
 D606,961 S 12/2009 Aarras
 D616,440 S 5/2010 Lee
 D616,886 S 6/2010 Andre et al.
 D628,998 S 12/2010 Wu et al.
 D630,751 S 1/2011 Yanase et al.
 D633,498 S 3/2011 Andre et al.
 D638,392 S 5/2011 Price et al.
 7,986,983 B2 7/2011 Harmon et al.
 D652,833 S 1/2012 Kim et al.
 D659,139 S 5/2012 Gengler
 D665,803 S 8/2012 Knighton
 D671,120 S 11/2012 Kim
 D678,276 S * 3/2013 Park et al. D14/391
 D678,277 S * 3/2013 Groene et al. D14/391
 D678,280 S 3/2013 Choi et al.
 D684,582 S * 6/2013 Jitkoff D14/455
 D692,902 S * 11/2013 Groene et al. D14/455
 D705,227 S * 5/2014 Groene et al. D14/392
 D708,174 S * 7/2014 Andre et al. D14/315
 D717,806 S * 11/2014 Yum et al. D14/455
 2002/0044814 A1 4/2002 King et al.
 2003/0048595 A1 3/2003 Hsieh et al.
 2003/0078069 A1 4/2003 Lindeman
 2008/0270897 A1 10/2008 Jawerth et al.
 2010/0149741 A1 6/2010 Liu

2011/0292584 A1* 12/2011 Hung et al. 361/679.26
 2011/0294555 A1 12/2011 Happonen et al.
 2012/0092195 A1 4/2012 Lin
 2012/0176746 A1* 7/2012 Chen et al. 361/679.55
 2013/0155583 A1* 6/2013 Yang et al. 361/679.01
 2013/0163187 A1* 6/2013 Wang et al. 361/679.41
 2013/0170126 A1* 7/2013 Lee 361/679.17
 2013/0322011 A1* 12/2013 Yeh 361/679.44
 2013/0335914 A1* 12/2013 Lee 361/679.41

FOREIGN PATENT DOCUMENTS

KR 3004375080000 12/1997
 KR 3002163470000 2/1998
 KR 3002163540000 2/1998
 KR 3002194830000 4/1998
 KR 3002194840000 4/1998
 KR 3002212020000 5/1998
 KR 3002817600000 8/2001
 KR 3002861330000 10/2001
 KR 3002912170000 2/2002
 KR 3003079740000 9/2002
 KR 3003160270000 1/2003
 KR 3003776380000 3/2005
 KR 3006036150000 6/2011

OTHER PUBLICATIONS

U.S. Appl. No. 29/390,422, Applicant Dae-Joun Kim et al., filed Apr. 25, 2011, entitled Wireless Keyboard.
 U.S. Appl. No. 29/405,575, Applicant Ik-Sang Kim, filed Nov. 3, 2011, entitled Wireless Keyboard.
 U.S. Appl. No. 29/423,293, Applicant Su-An Choi et al., filed May 30, 2012, entitled Wireless Keyboard.
 U.S. Appl. No. 29/425,979, Applicant Woo-Teik Lim et al., filed Jun. 28, 2012, entitled Keyboard for a Tablet Computer.
 U.S. Appl. No. 29/426,585, Applicant Ji-Sang Park, filed Jul. 6, 2012, entitled Keyboard for a Tablet Computer.
 U.S. Appl. No. 29/430,809, Applicant Su-An Choi et al., filed Aug. 30, 2012, entitled Wireless Keyboard.
 U.S. Appl. No. 29/438,938, Applicant Min-Young Park, filed Dec. 5, 2012, entitled Keyboard for Tablet Computer.
 U.S. Appl. No. 29/460,672, Applicant Bong-Gun Kim et al., filed Jul. 12, 2013, entitled Keyboard.
 U.S. Appl. No. 29/460,676, Applicant Bong-Gun Kim et al., filed Jul. 12, 2013, entitled Keyboard.
 U.S. Appl. No. 29/460,680, Applicant Hyun-Il Lee et al., filed Jul. 12, 2013, entitled Keyboard.
 U.S. Appl. No. 29/475,205, Applicant Min-Young Park et al., filed Dec. 1, 2013, entitled Keyboard for Tablet Computer.

* cited by examiner

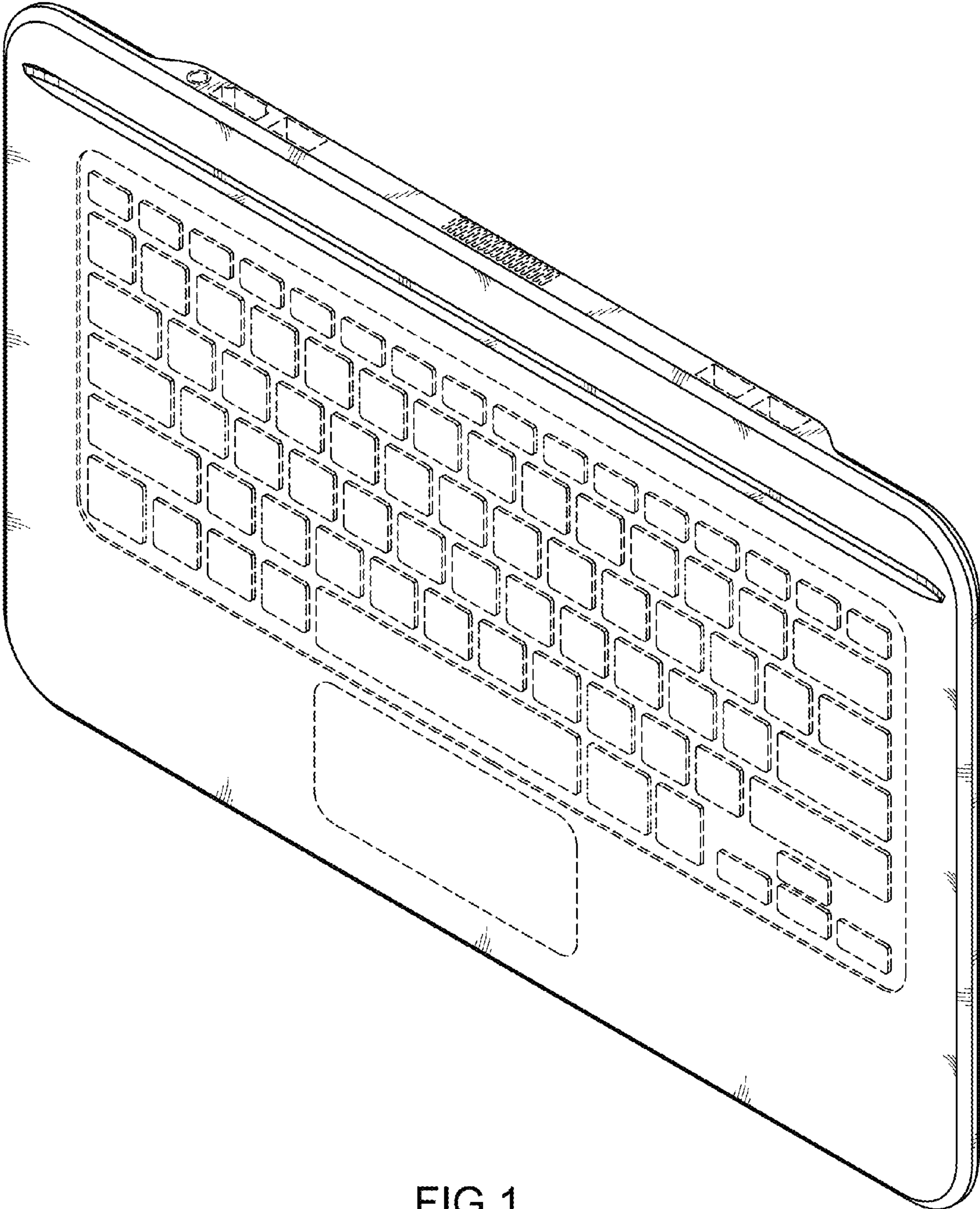


FIG.1

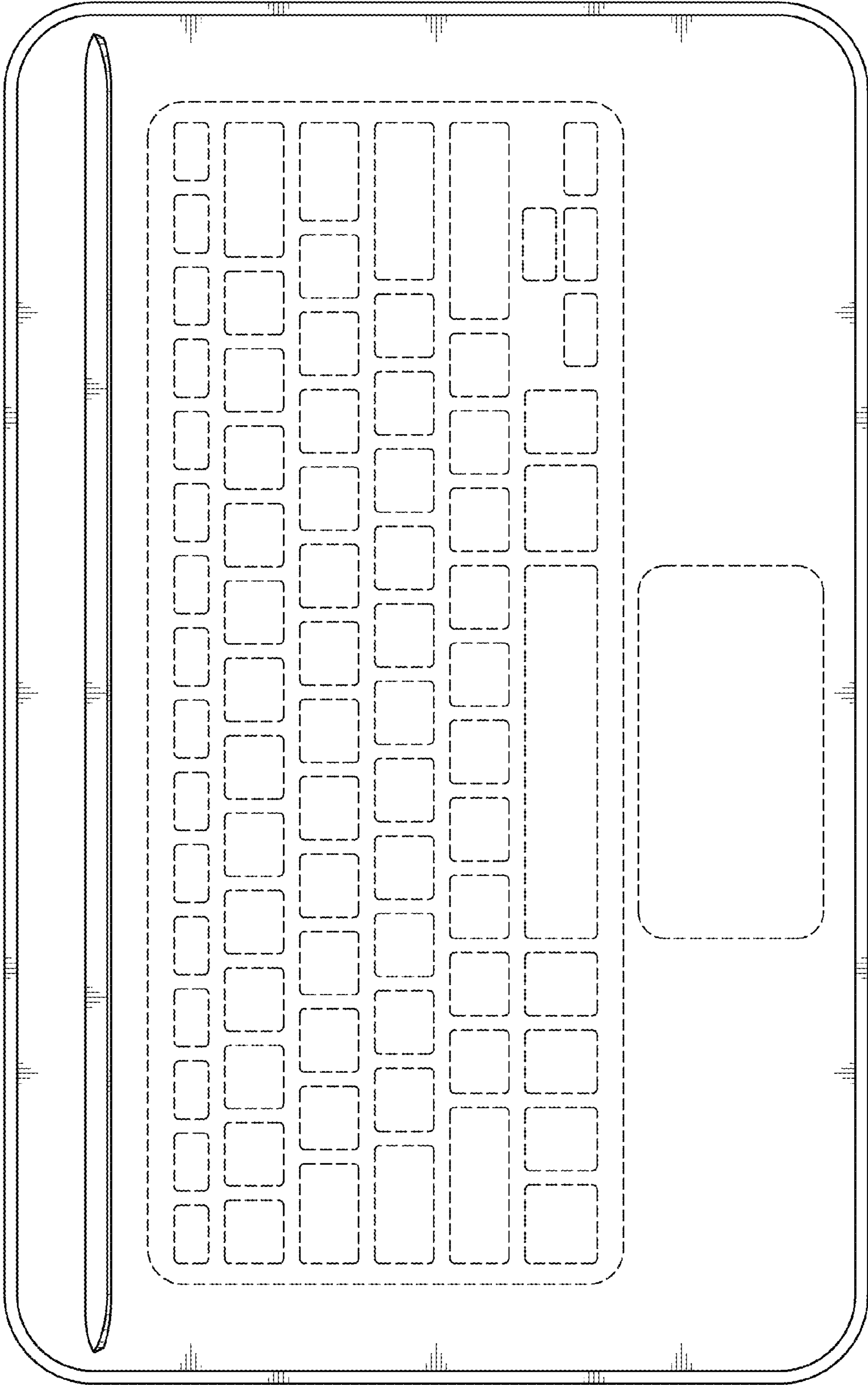


FIG.2

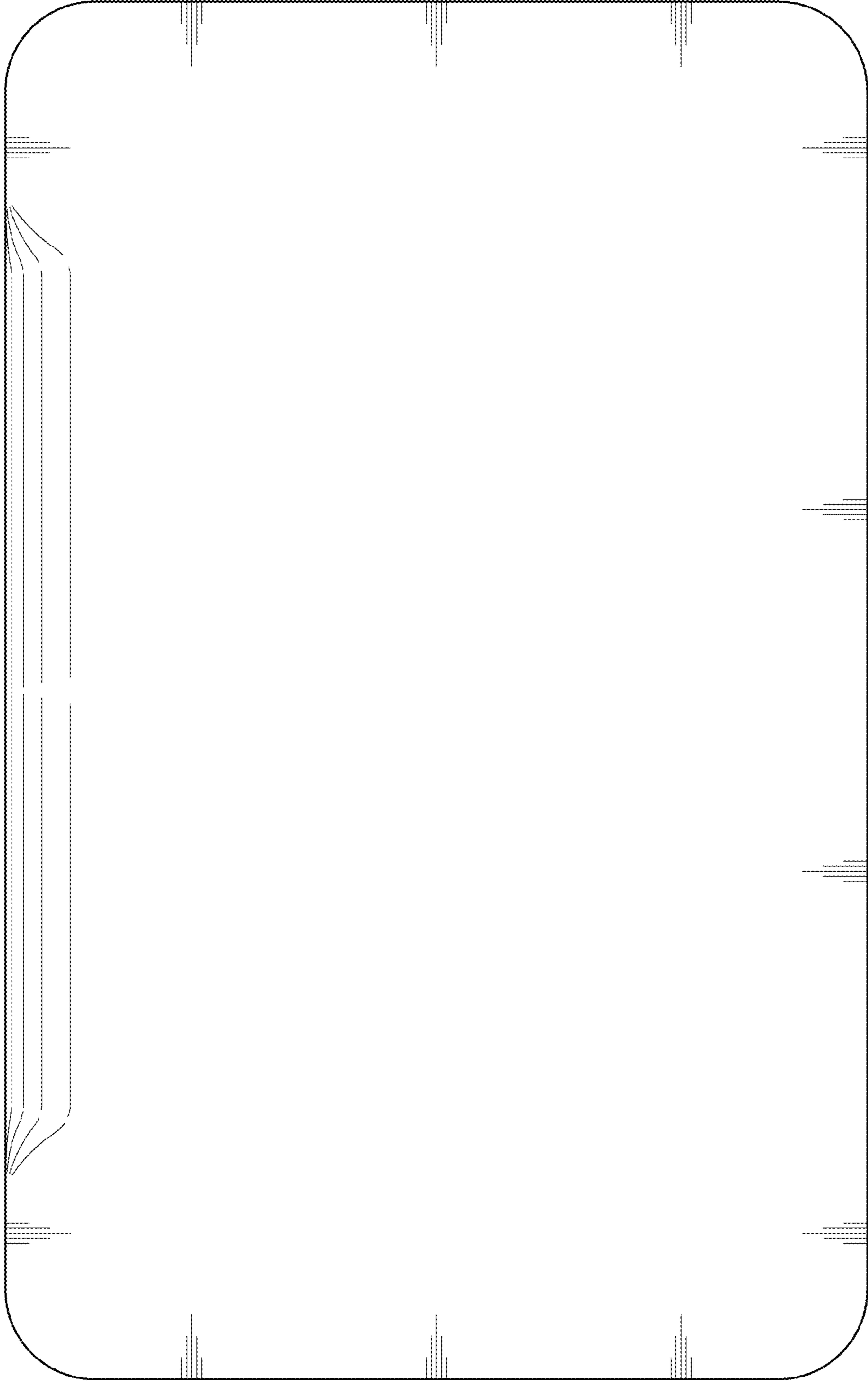


FIG.3

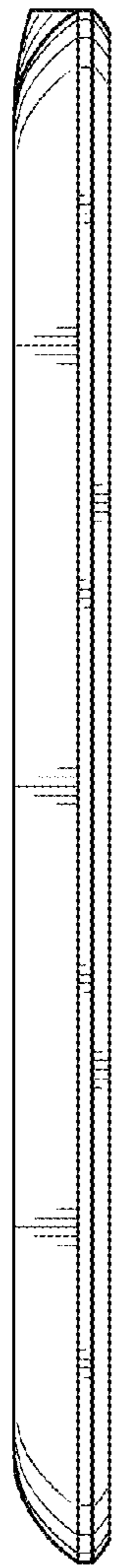


FIG. 4



FIG. 5

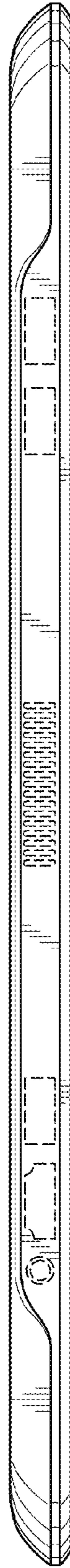


FIG. 6

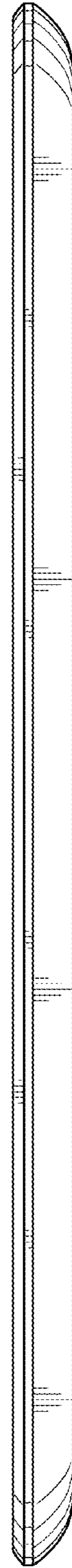


FIG. 7

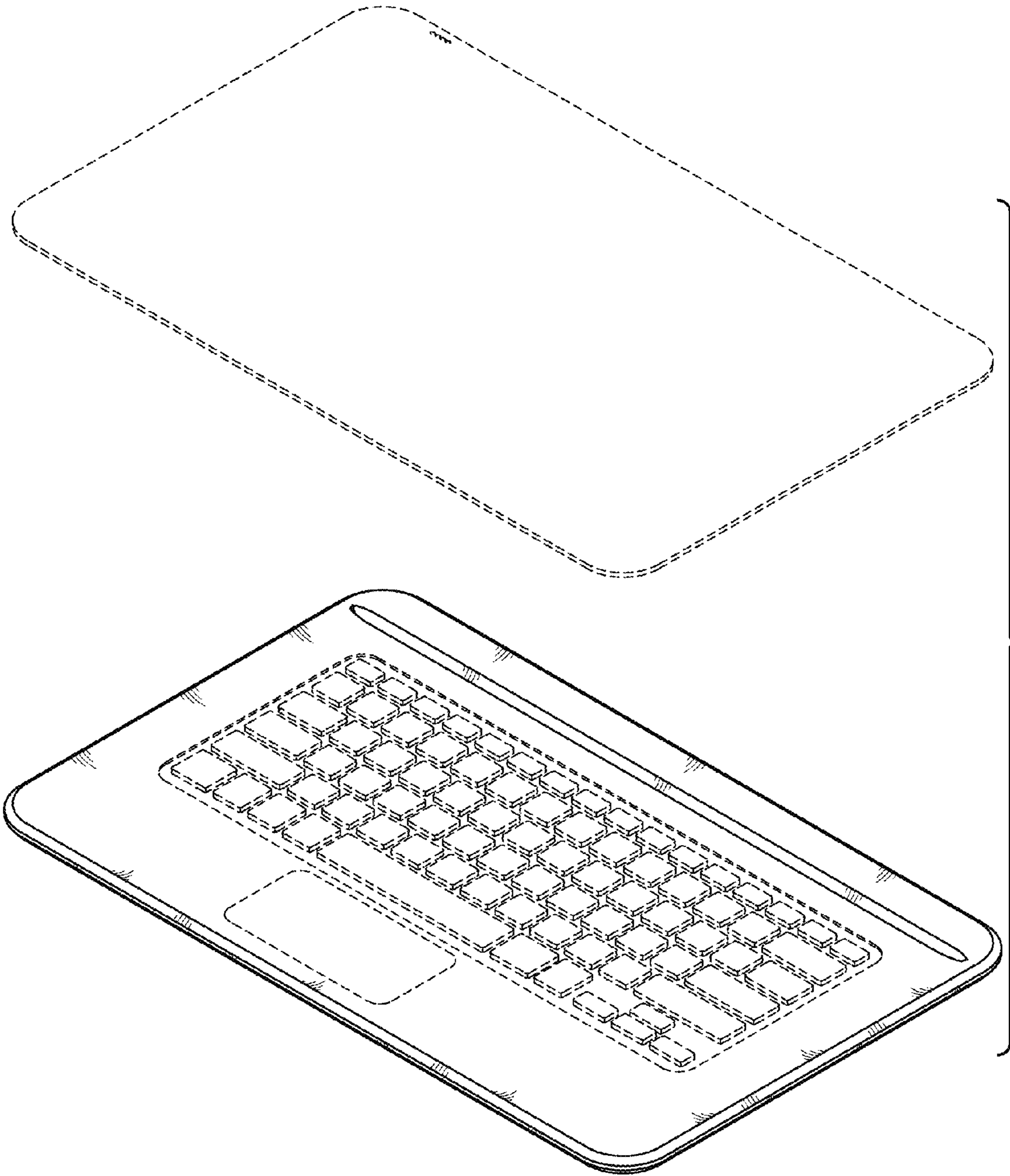


FIG.8

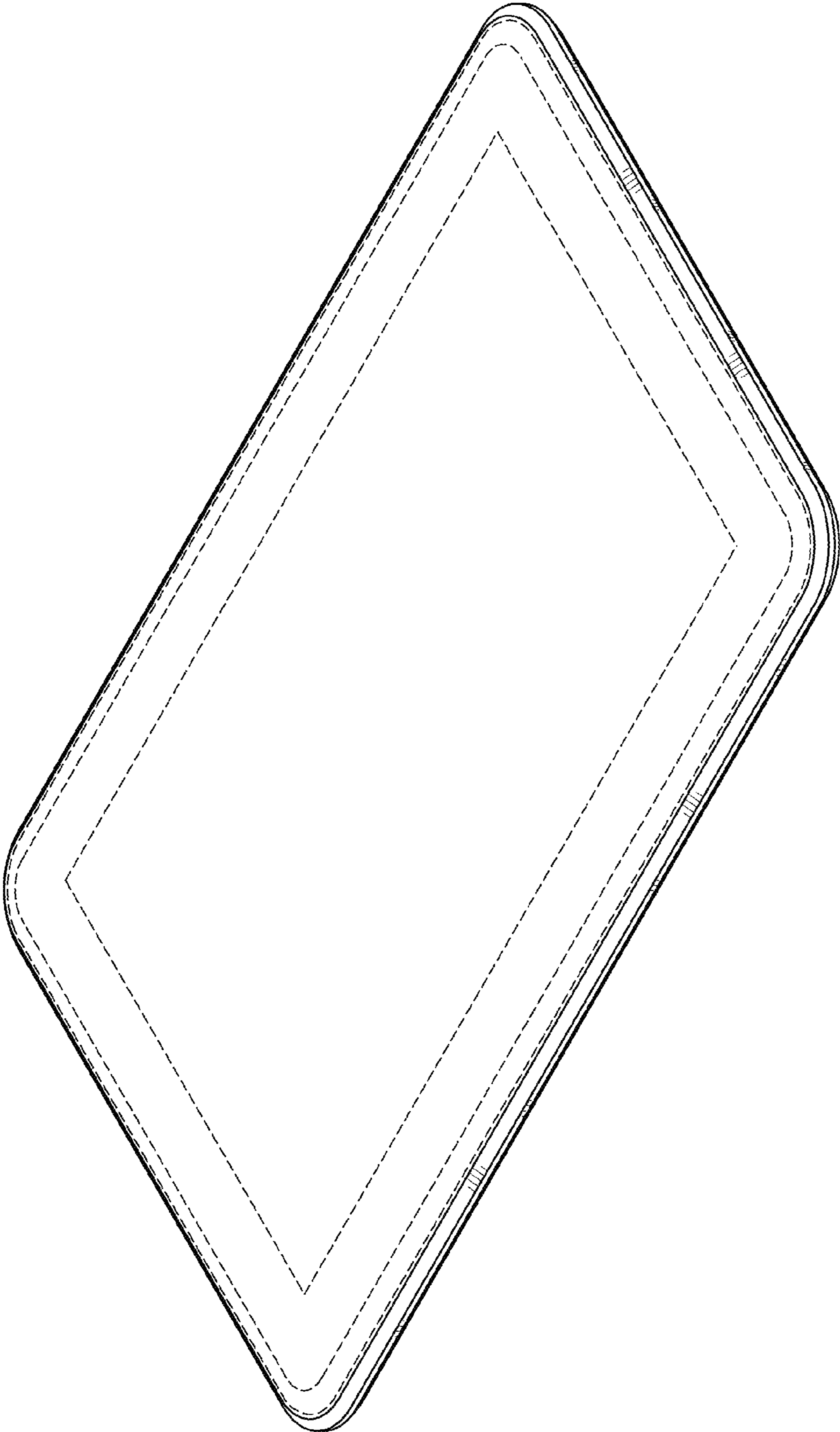


FIG.9

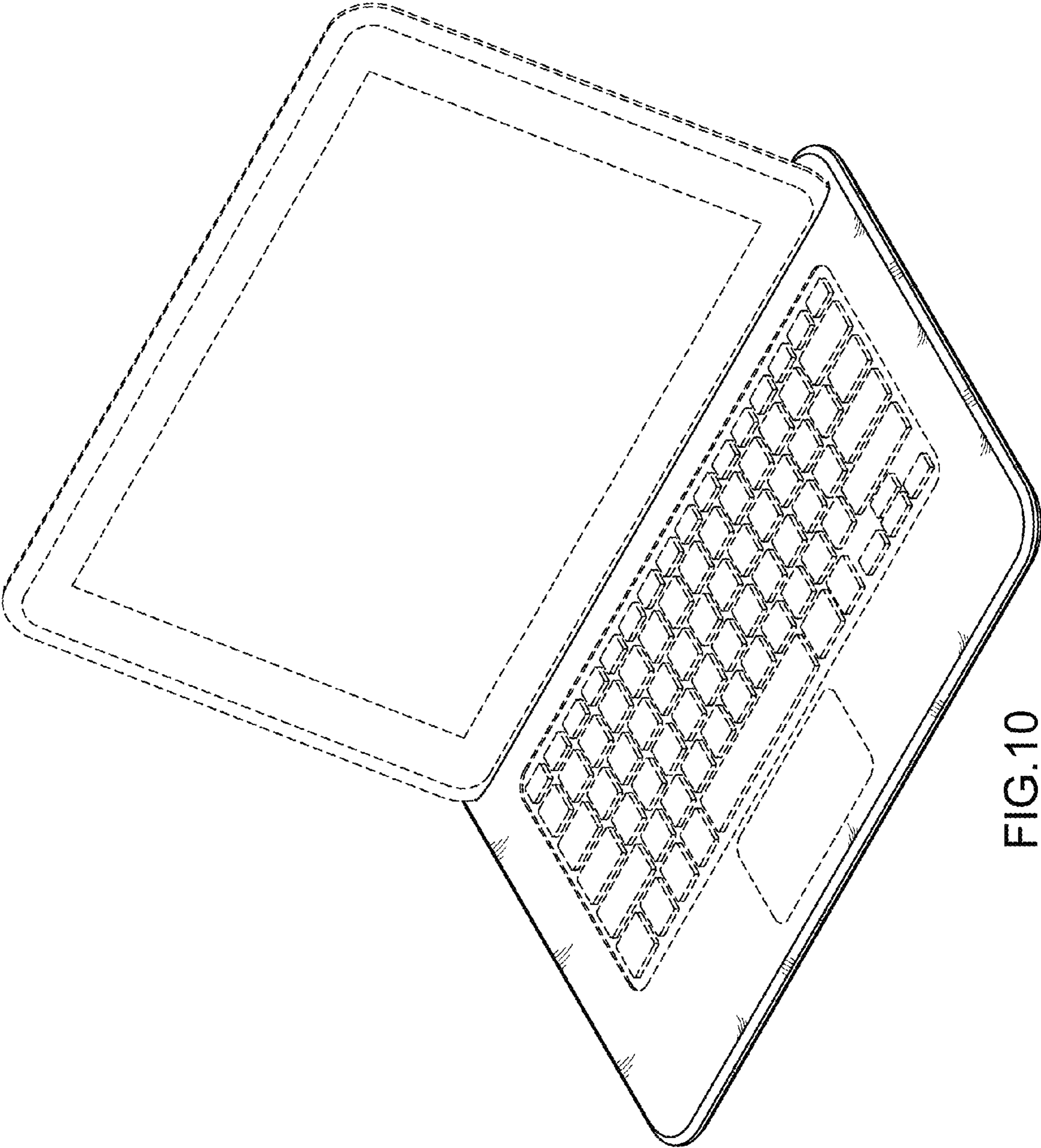


FIG.10