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**Chu et al.**

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(54) **USER INPUT APPARATUS**

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(73) Assignee: **Grant & Union Inc.**, Kitchener (CA)

(\*) Notice: This patent is subject to a terminal disclaimer.

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

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

(52) **U.S. Cl.**  
USPC ..... **D14/388**

(58) **Field of Classification Search**  
USPC ..... D14/356, 357, 358, 388, 432, 433, 496,  
D14/217, 218, 240, 242, 299, 390, 454,  
D14/455; D13/158, 159, 123, 124, 162,  
D13/162.1, 168, 173, 184, 199, 110, 169,  
D13/170, 171; D21/333  
CPC . G06F 3/01; G06F 3/02; G06F 3/0362; G06F  
3/0338; G06F 3/016; G06F 1/167; G06F  
1/1671; G06F 1/169; H04M 1/0254;  
H04M 1/0256

See application file for complete search history.

(56) **References Cited**

**U.S. PATENT DOCUMENTS**

- 3,209,097 A \* 9/1965 Shlesinger, Jr. ... H01H 36/0073  
335/207
- D288,555 S \* 3/1987 Gemmell ..... D13/171
- D305,430 S \* 1/1990 Cohen ..... D14/239
- D309,455 S \* 7/1990 Staley ..... D14/217
- D316,249 S \* 4/1991 King-Pei ..... D13/167
- D323,506 S \* 1/1992 Breslau ..... D14/217

- D325,567 S \* 4/1992 Jacoby, Jr ..... D13/170
- D337,120 S \* 7/1993 Staley ..... D14/239
- D338,015 S \* 8/1993 Mohri ..... D14/239
- D338,016 S \* 8/1993 Mohri ..... D14/239
- D340,916 S \* 11/1993 Imura ..... D13/162
- D341,833 S \* 11/1993 MacKay ..... D14/217
- D341,834 S \* 11/1993 MacKay ..... D14/217
- D343,622 S \* 1/1994 Hanke ..... D14/217
- D349,290 S \* 8/1994 Christensen ..... D14/217

(Continued)

**FOREIGN PATENT DOCUMENTS**

CA 2870914 A1 \* 5/2016 ..... G06F 3/01

**OTHER PUBLICATIONS**

Monogram Creative Console Studio Review, (online) 13 pgs. Posted Dec. 13, 2020. [Retrieved Aug. 27, 2021] <https://www.pcmag.com/reviews/monogram-creative-console-studio>.\*

(Continued)

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(57) **CLAIM**

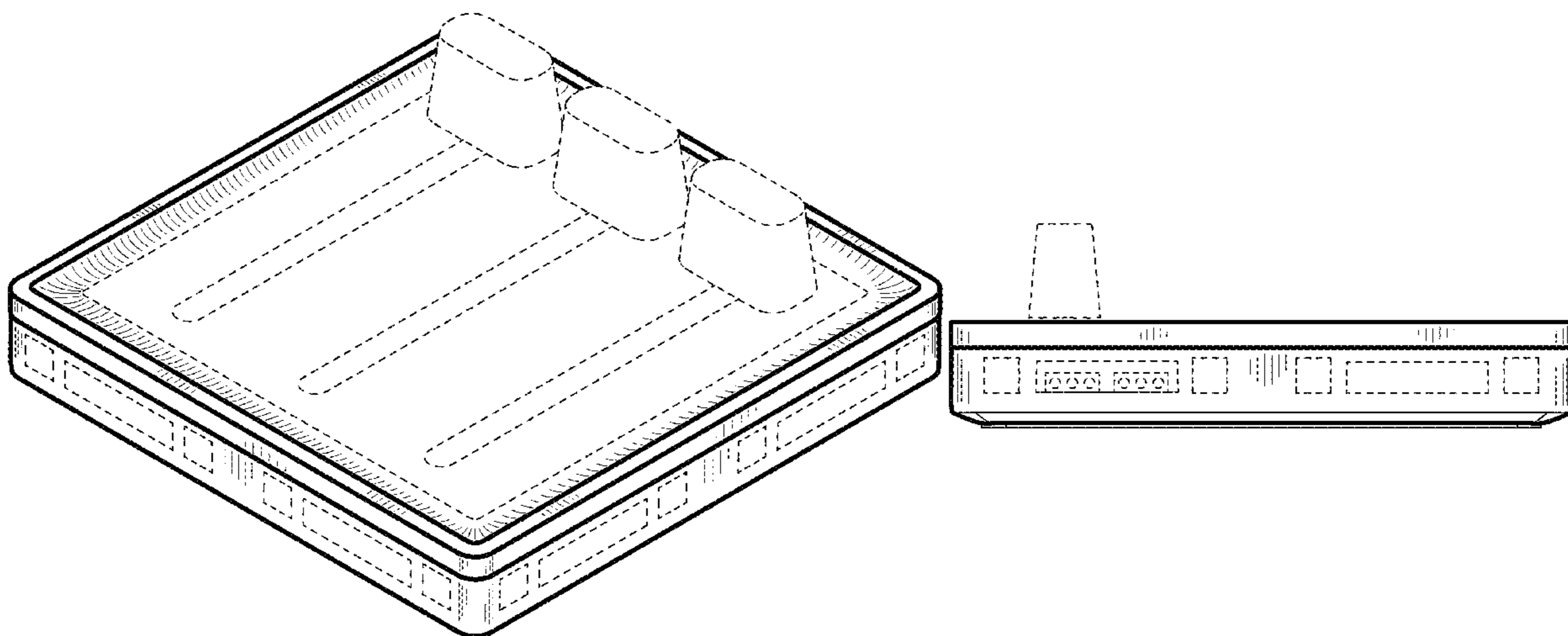
The ornamental design for a user input apparatus, as shown and described.

**DESCRIPTION**

FIG. 1 is an isometric view of the user input apparatus, showing our new design;  
FIG. 2 is a top view thereof;  
FIG. 3 is a front view thereof;  
FIG. 4 is a left view thereof;  
FIG. 5 is a rear view thereof;  
FIG. 6 is a right view thereof; and,  
FIG. 7 is a bottom view thereof.

The broken lines in the drawings depict portions of the user input apparatus that form no part of the claimed design.

**1 Claim, 7 Drawing Sheets**





(56)

**References Cited**

U.S. PATENT DOCUMENTS

2015/0031220 A1\* 1/2015 Fang ..... H01R 13/6205  
439/38  
2015/0104959 A1\* 4/2015 Guo ..... H01R 13/506  
439/39  
2016/0139660 A1\* 5/2016 Chu ..... G06F 3/002  
345/156

OTHER PUBLICATIONS

Beyond QWERTY\_how Palettes knobs and dials change the way you work-play, theverge.com [online] 19 pgs. Posted Feb. 10, 2014 [retrieved on Aug. 25, 2016] <http://www.theverge.com/2014/2/10/5397296/palette-controller>.\*

Palette: A modular, roll-your-own take on the software controller(James Holloway). newatlas.com. [online] 19 pgs. Posted Nov. 25, 2013 [retrieved on Aug. 24, 2016] <http://newatlas.com/palette-modular-software-controller/29908/> image galery: <http://newatlas.com/palette-modular-software-controller/29908/pictures>.\*

Palette—A Freeform Interface That Controls Any Software—2. (Happy Thanksgiving and Campaign Page Updates) kickstarter.com [online] 5 pgs. Posted Nov. 28, 2013 [retrieved on Aug. 24, 2016]

<https://www.kickstarter.com/projects/cchu/palette-a-freeform-interface-that-controls-any-sof/posts/678241>.\*

Palette—A Freeform Interface That Controls Any Software—4.( Palette is Funded! Time for a stretch goal :D) kickstarter.com [online] 4 pgs. Posted Dec. 10, 2013 [retrieved on Aug. 25, 2016] <https://www.kickstarter.com/projects/cchu/palette-a-freeform-interface-that-controls-any-sof/posts/690696>.\*

Palette System Like MIDI Controller Lego Blocks, synthtopia.com [online] 15 pgs. Posted Nov. 22, 2013 [retrieved on Aug. 24, 2016] <http://www.synthtopia.com/content/2013/11/22/palette-system-like-midi-controller-lego-blocks/>.\*

Controller Breakthrough—The Mawzer Modular MIDI Controller, softpedia.com. [online] 4 pgs. Posted Jun. 12, 2007 [retrieved on Aug. 25, 2016] <http://news.softpedia.com/news/Controller-Breakthrough-The-Mawzer-Modular-MIDI-Controller-57039.shtml> IMG URL: <http://i1-news.softpedia-static.com/images/news2/Controller-Bre>.\*

Palette—A Freeform Interface That Controls Any Software—3. (Our first hands-on with Palette!) kickstarter.com [online] 4 pgs. Posted Dec. 6, 2013 [retrieved on Aug. 24, 2016] <https://www.kickstarter.com/projects/cchu/palette-a-freeform-interface-that-controls-any-sof/posts/686425>.\*

Introducing Monogram—A Modular Productivity Tool For Creative Pros, (online video) 1 pg. Posted Sep. 16, 2019. [ Retrieved Aug. 27, 2021] <https://www.youtube.com/watch?v=B0glGft2SAo>.\*

\* cited by examiner

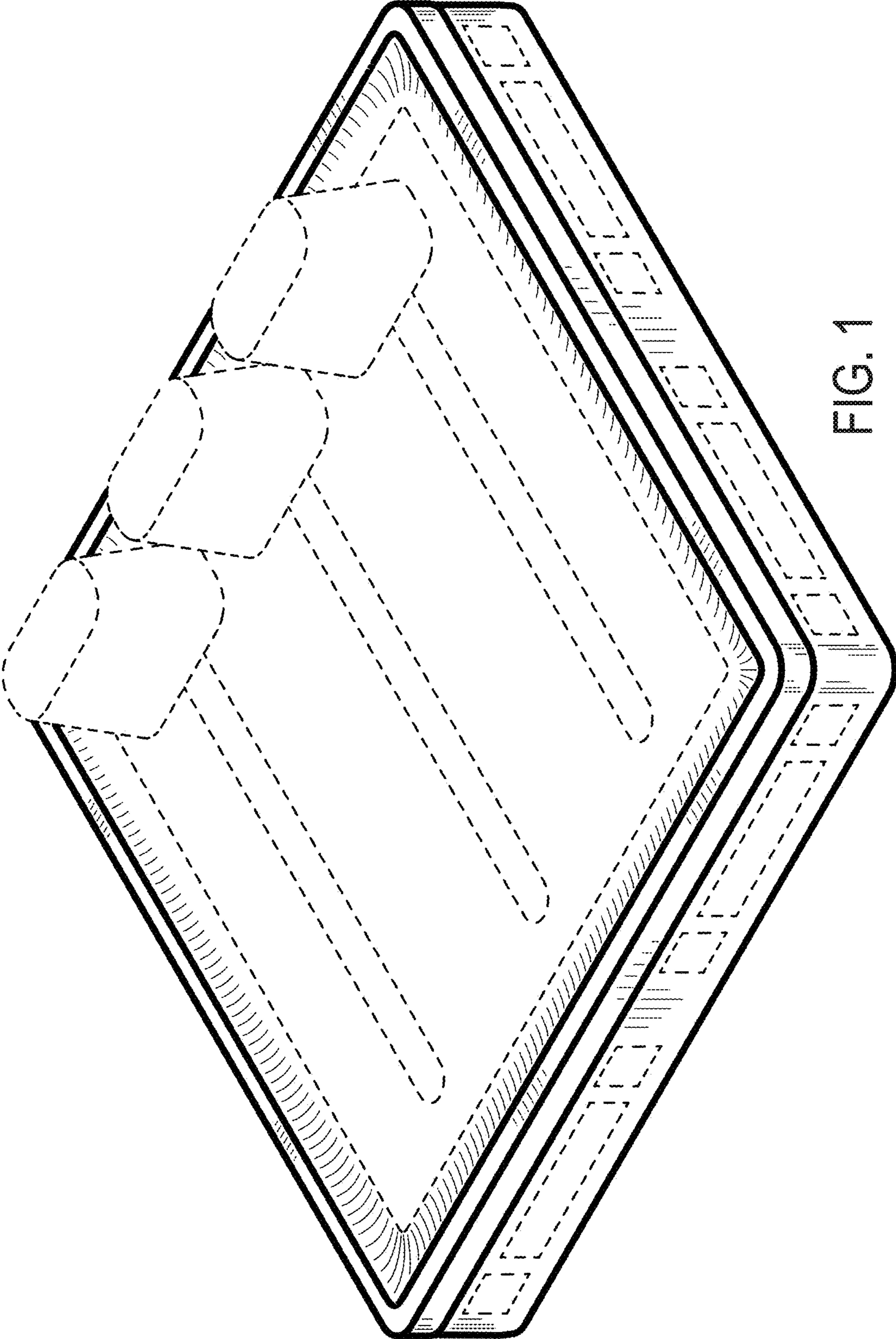


FIG. 1

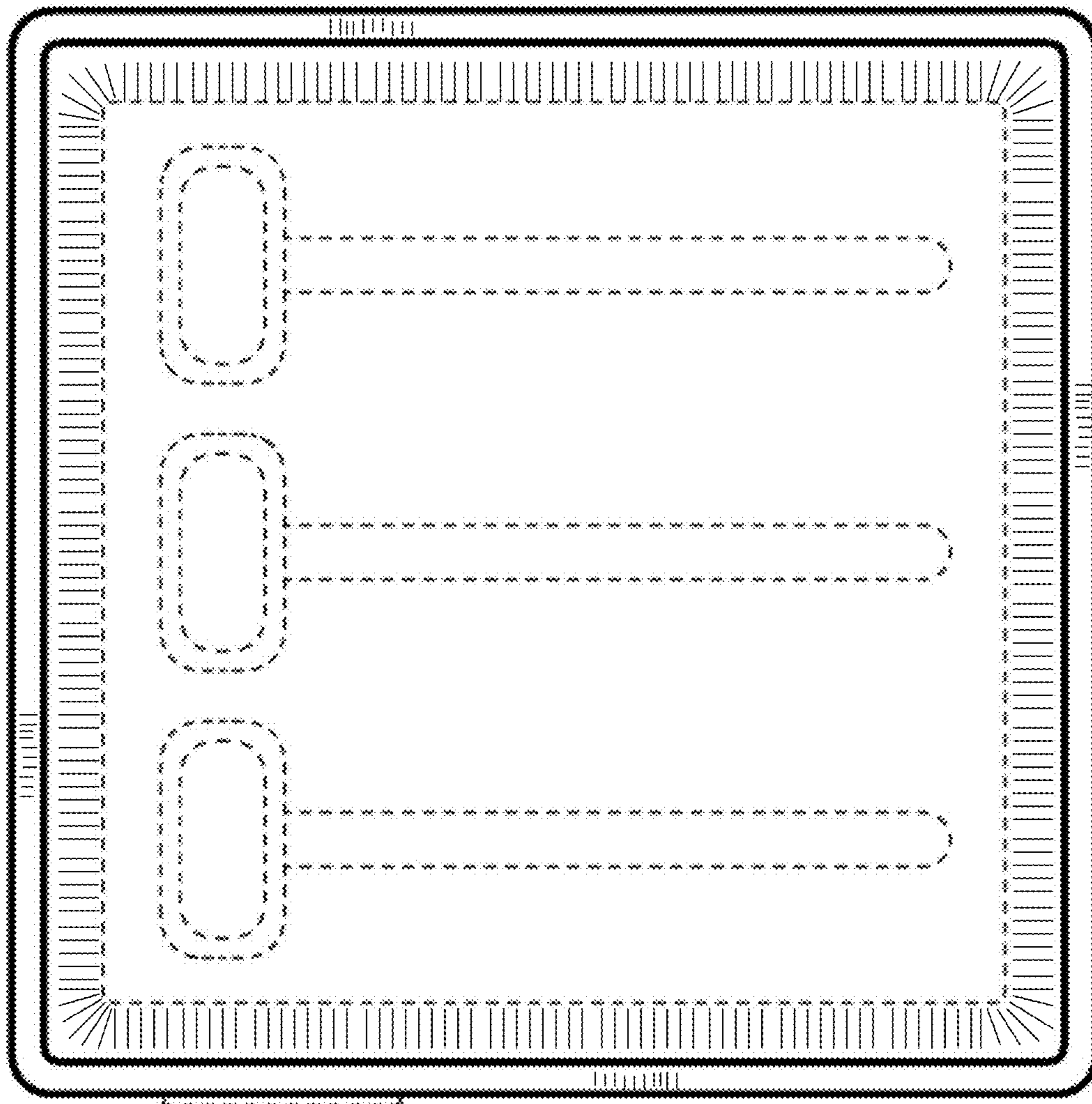


FIG. 2

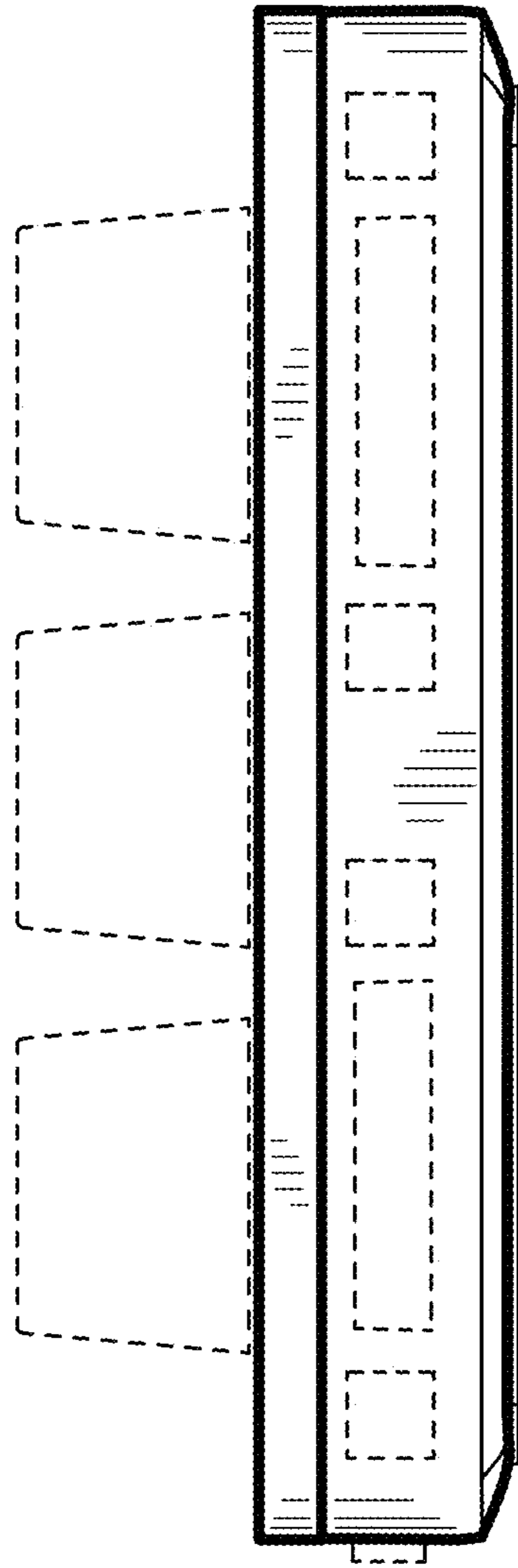


FIG. 3

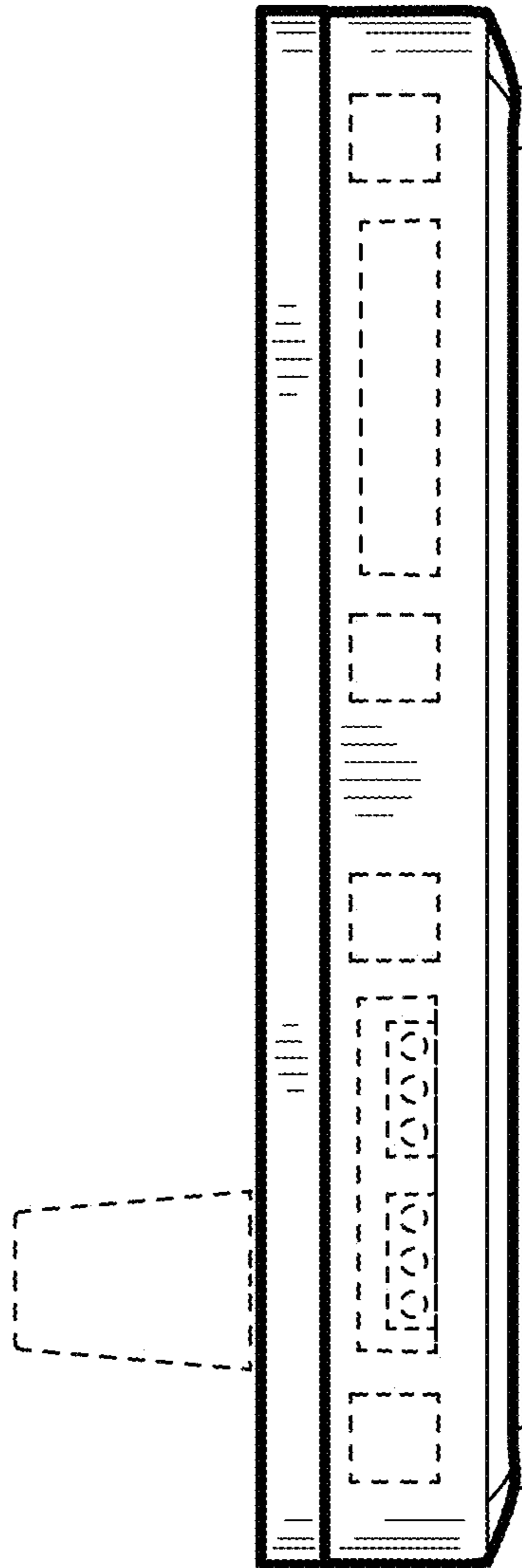


FIG. 4

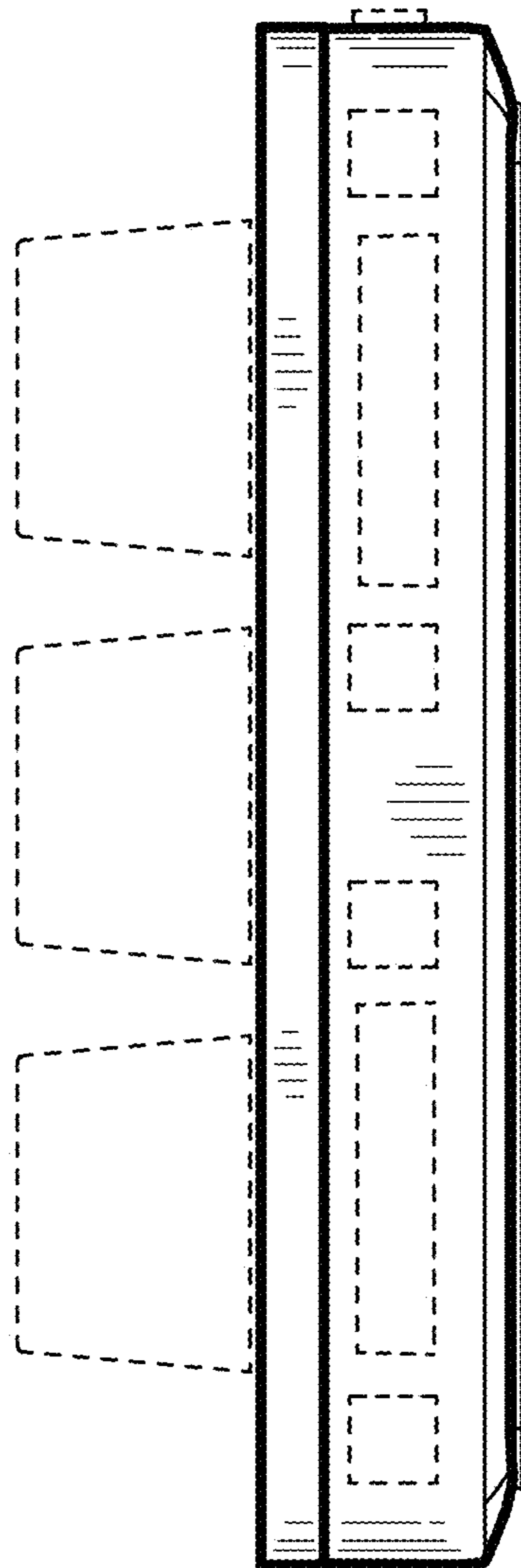


FIG. 5



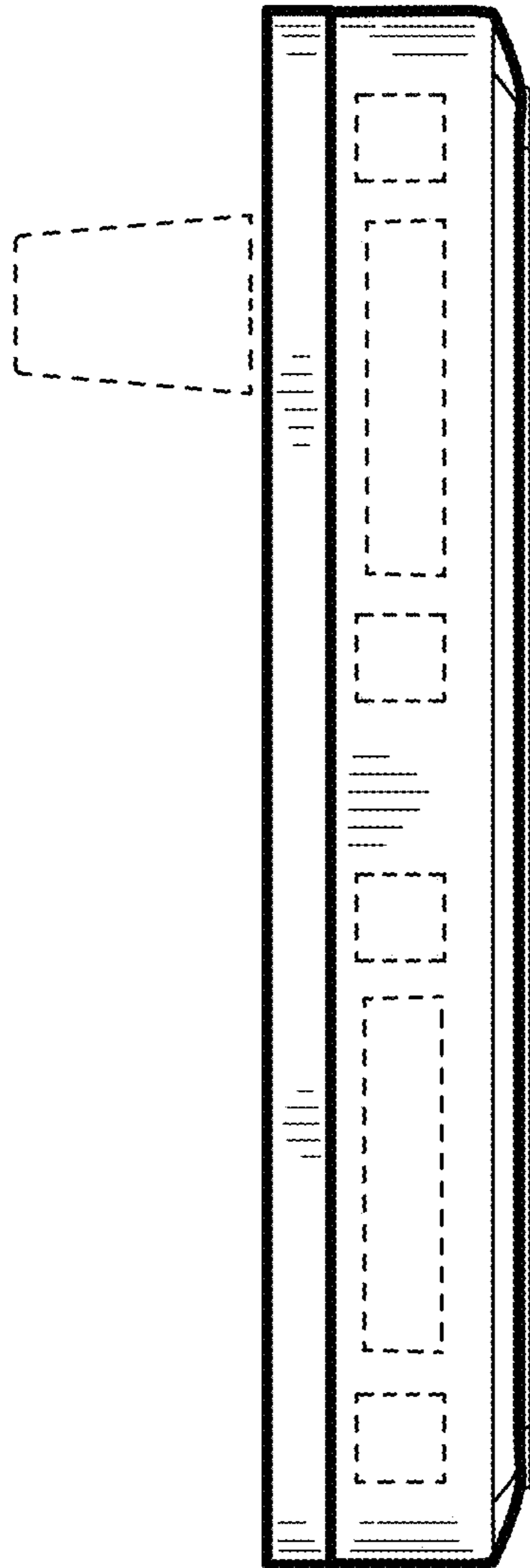


FIG. 6

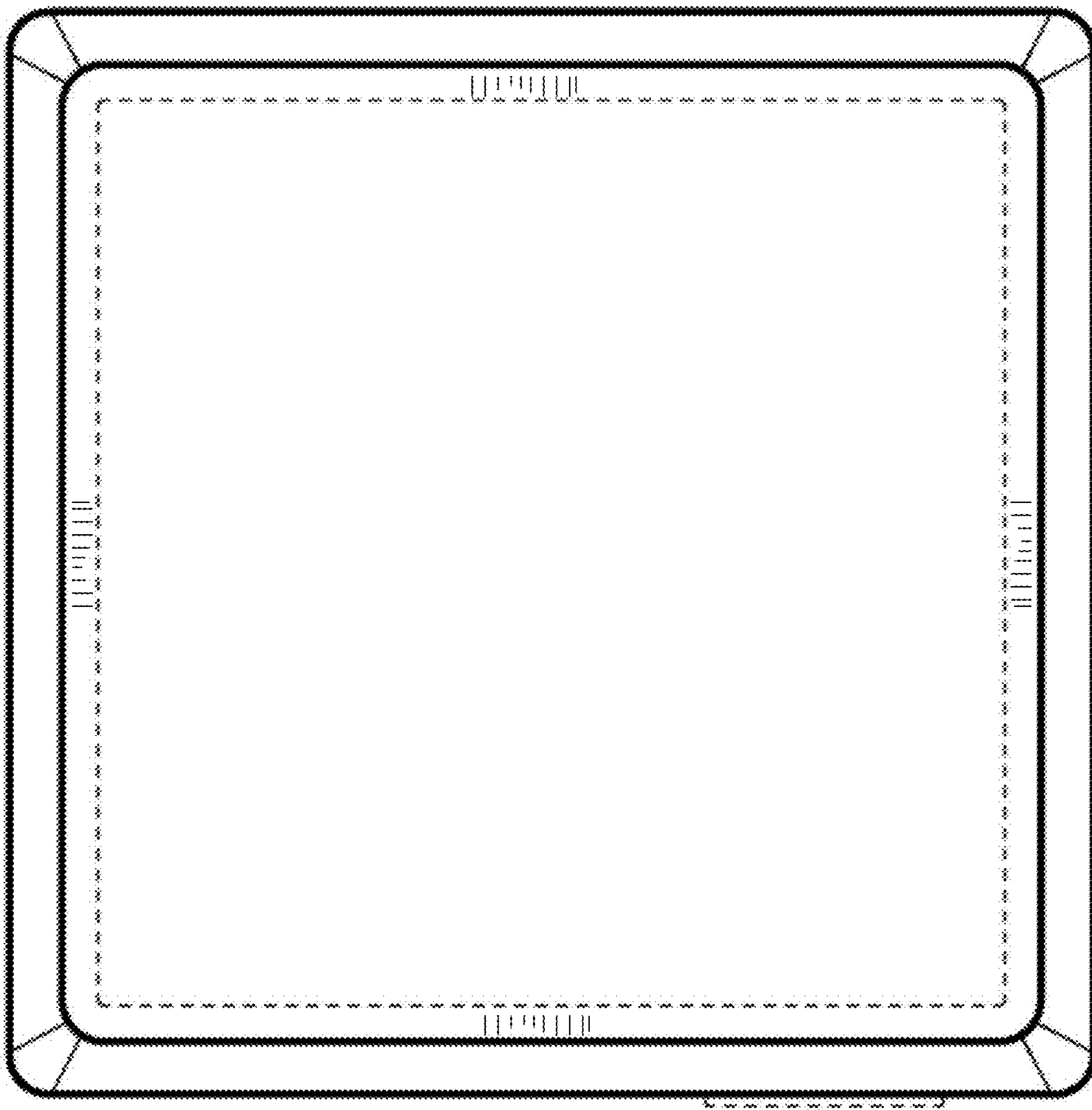


FIG. 7