



US00D810185S

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

(10) **Patent No.:** **US D810,185 S**  
(45) **Date of Patent:** **\*\* Feb. 13, 2018**

(54) **KEYBOARD INSTRUMENT**

(71) Applicant: **ROLI Ltd.**, London (GB)

(72) Inventors: **Hong-Yeul Eom**, London (GB);  
**Stephen Hempton**, London (GB);  
**Tien-sheng Huang**, London (GB);  
**Heegun Koo**, London (GB); **Roland Lamb**, London (GB); **Gaetano Ling**, London (GB); **John Tree**, London (GB); **Ning Xu**, London (GB)

(73) Assignee: **ROLI Ltd.**, London (GB)

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

(21) Appl. No.: **29/561,371**

(22) Filed: **Apr. 15, 2016**

(30) **Foreign Application Priority Data**

Oct. 16, 2015 (EM) ..... 001441398-0001  
Oct. 16, 2015 (EM) ..... 001441398-0002  
Oct. 16, 2015 (EM) ..... 001441398-0003

(51) **LOC (11) Cl.** ..... **17-01**

(52) **U.S. Cl.**  
USPC ..... **D17/1**

(58) **Field of Classification Search**  
USPC ..... 84/20, 21, 177, 179, 187, 189, 216, 236,  
84/237, 239, 422.1, 701, 746; D1/106;  
D6/716; D9/418; D17/1, 7, 9, 10, 20,  
D17/22, 99; D21/405, 406, 408, 409;  
D24/194

CPC ... G09G 5/00; G06M 7/00; G10C 3/12; G06F  
3/0414; G06F 3/04886; G10H 1/06;  
G10H 1/44; G10H 3/125; B25J 13/084;  
G01L 5/228; G01L 5/166; G01L 1/24

See application file for complete search history.

(56) **References Cited**

U.S. PATENT DOCUMENTS

D224,444 S \* 7/1972 Chilton ..... D17/9  
D270,917 S \* 10/1983 Peterson ..... D17/9

D317,930 S \* 7/1991 Mine ..... D17/1  
D326,106 S \* 5/1992 Tatshumi ..... D17/1  
D369,175 S \* 4/1996 Nakada ..... D17/1  
D404,059 S \* 1/1999 Miura ..... D17/1  
D508,070 S \* 8/2005 Tanaka ..... D17/1  
D669,116 S \* 10/2012 Fukuoka ..... D17/9  
8,994,648 B2 \* 3/2015 Lamb ..... G06F 3/0414  
345/156

(Continued)

**OTHER PUBLICATIONS**

Roli's Seaboard is a rubber-keyed piano, posted at Engadget.com, posted on Mar. 12, 2013, [online], [site visited Nov. 7, 2016]. Available from Internet, <URL: <https://www.engadget.com/2013/03/12/roli-seaboard-piano/#/>>.\*

(Continued)

*Primary Examiner* — Mary Ann Calabrese

*Assistant Examiner* — Catherine Ho

(74) *Attorney, Agent, or Firm* — Merchant & Gould P.C.

(57) **CLAIM**

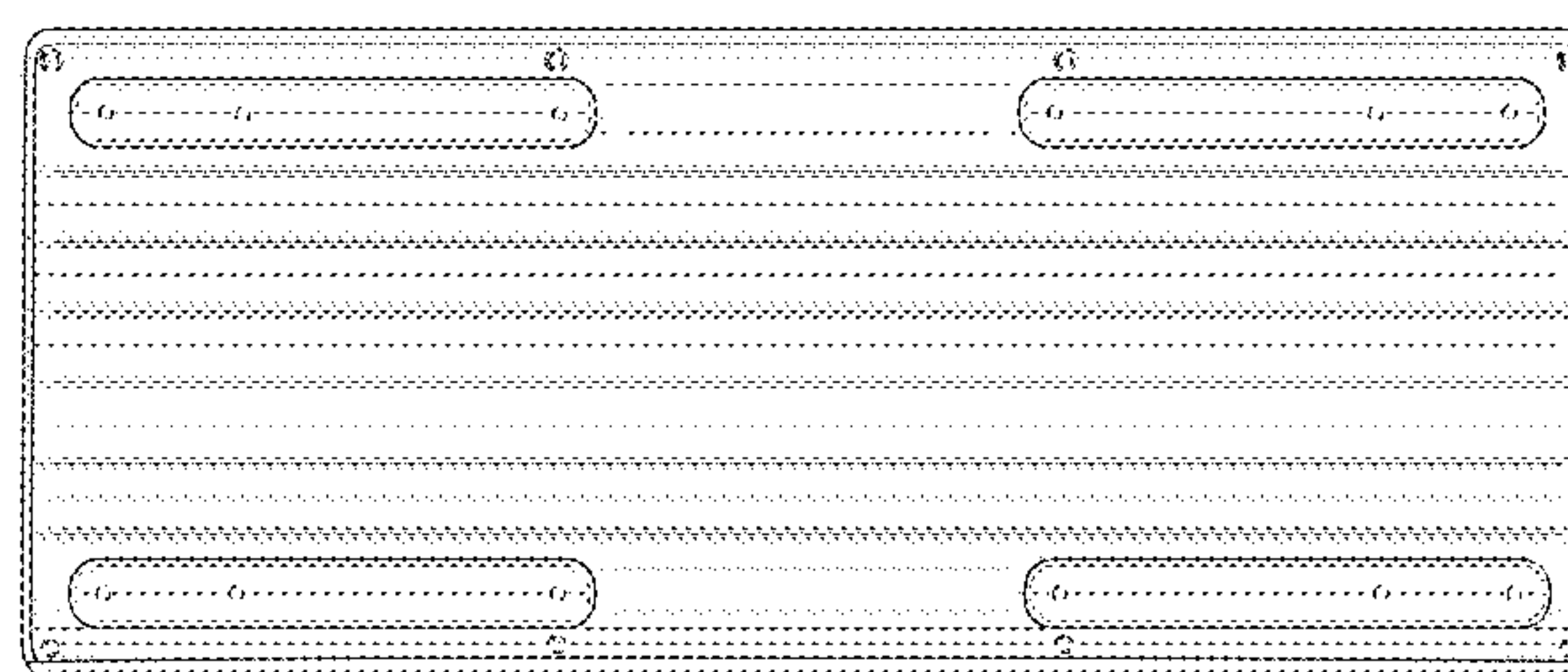
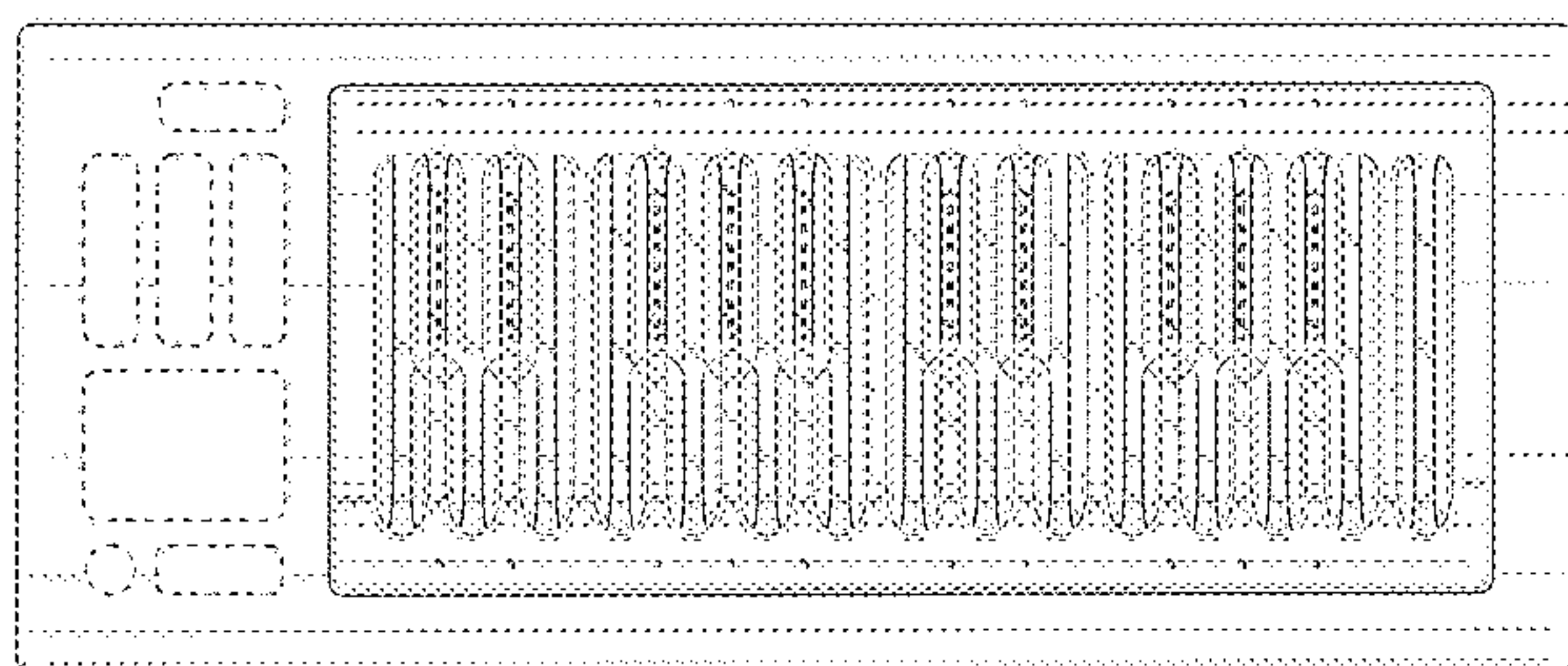
The ornamental design for a keyboard instrument, as shown and described.

**DESCRIPTION**

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

The broken line portion of the figure drawings is included to show the boundary of the article and form no part of the claimed design.

**1 Claim, 7 Drawing Sheets**



(56)

**References Cited**

U.S. PATENT DOCUMENTS

D764,571 S \* 8/2016 Kashiwase ..... D17/1  
2007/0040107 A1 \* 2/2007 Mizota ..... B25J 13/084  
250/221

OTHER PUBLICATIONS

I am Seaboard RISE, posted at Youtube.com, posted on Sep. 9, 2015, [online], [site visited Nov. 7, 2016]. Available from Internet, <URL: <https://www.youtube.com/watch?v=fGr7VbDiRNw>>.\*

Crafting the Seaboard, posted at Youtube.com, posted on Dec. 2, 2013, [online], [site visited Nov. 7, 2016]. Available from Internet, <URL: <https://www.youtube.com/watch?v=VFt-CbBR-So>>.\*

Roli changes the idea what musical keys should be like, posted at Designboom.com, posted on Sep. 14, 2015, [online], [site visited Nov. 7, 2016]. Available from Internet, <URL: <http://www.designboom.com/technology/roli-seaboard-rise-midi-controller-09-14-2015/>>.\*

Applicant, Roli Ltd., Press Release, "ROLI unveils Seaboard RISE, the first expressive MIDI controller available to all music makers at \$799," published on website: [www.roli.com/press-room](http://www.roli.com/press-room), Sep. 9, 2015.

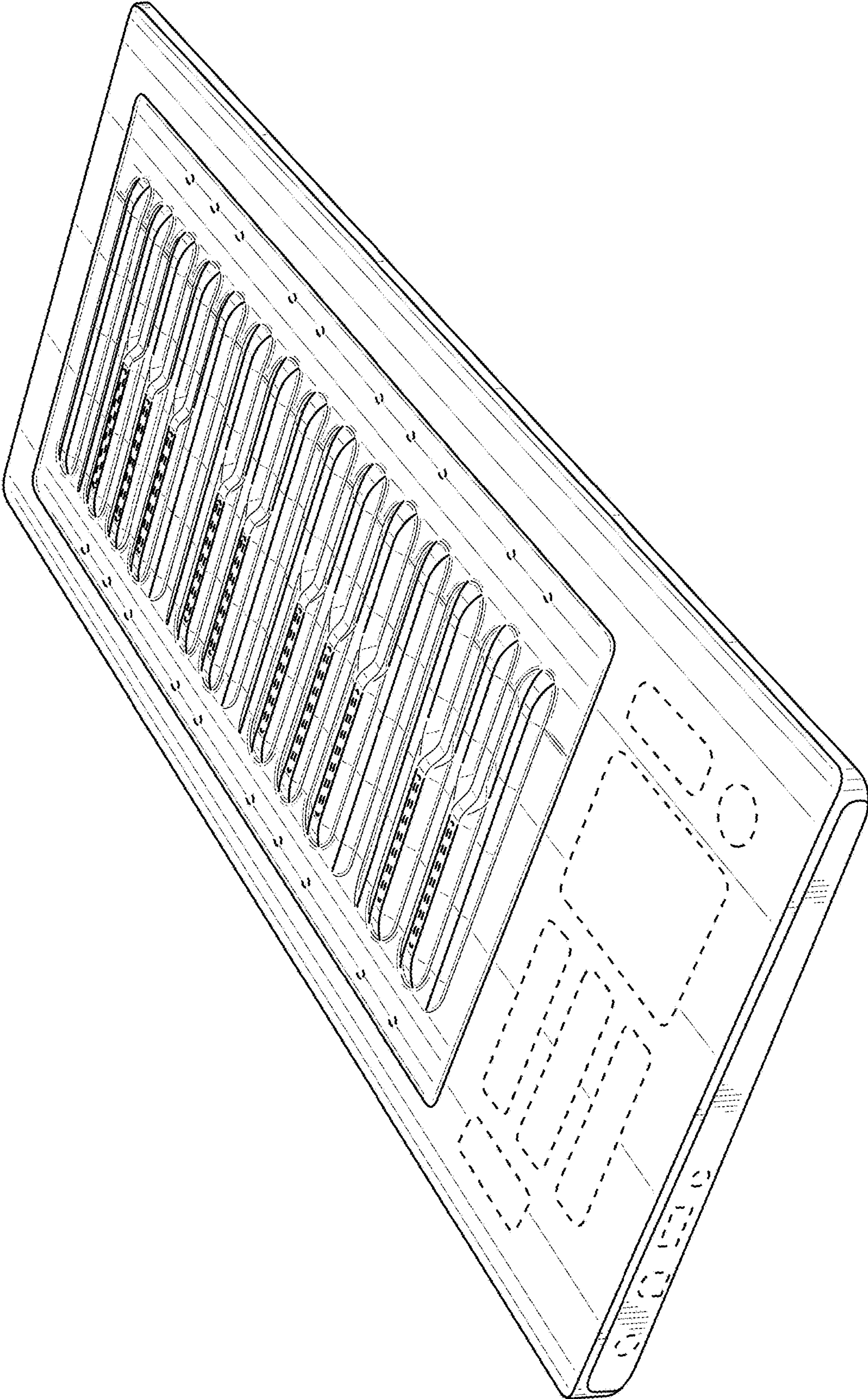
Ik, New Products, "A New step of the three-dimensional MIDI keyboard, announced the British ROLI, Inc. Seaboard Rise," published on website: <http://likkai.com>, Sep. 10, 2015.

Applicant, ROLI Ltd., Licensed Video Release of "I am Seaboard RISE," published on website: [www.youtube.com/watch?v=fGr7VbDiRNw](http://www.youtube.com/watch?v=fGr7VbDiRNw), Sep. 9, 2015.

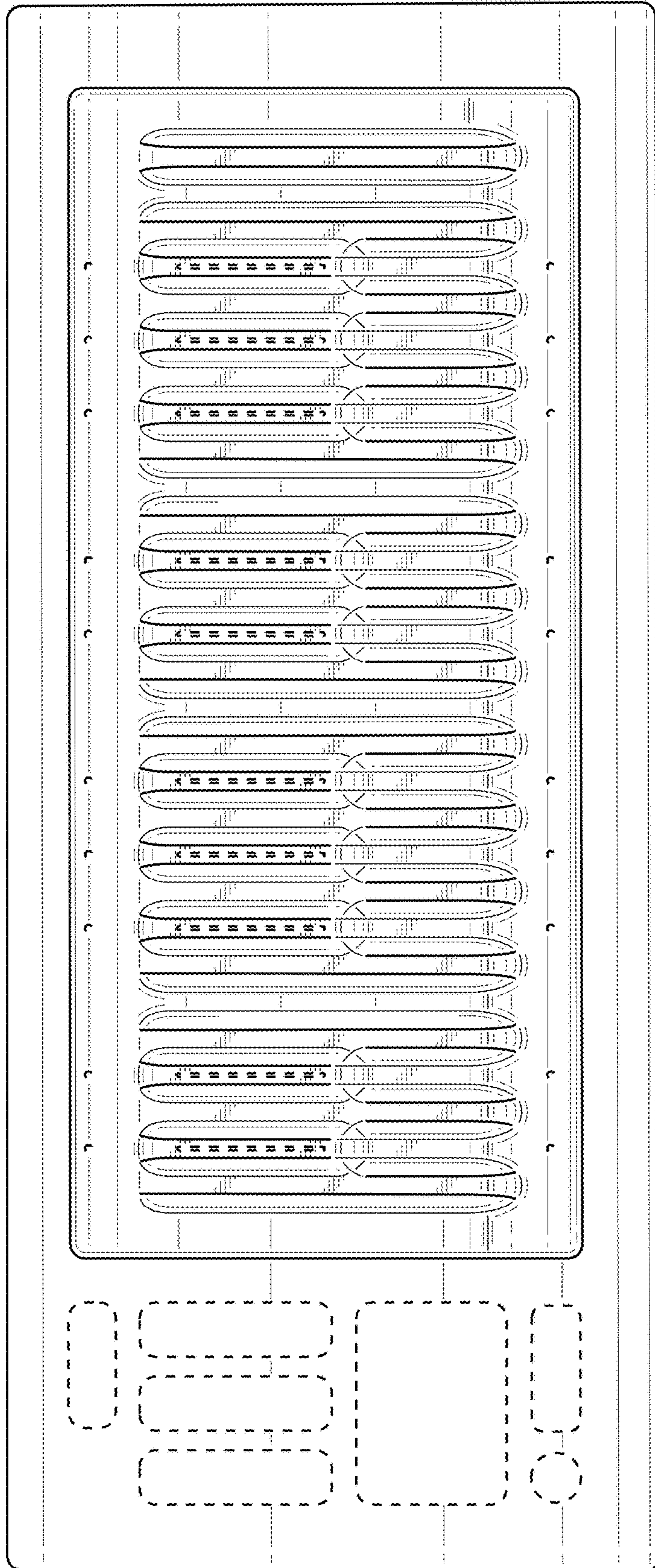
Co-pending Design U.S. Appl. No. 29/561,367, filed Apr. 15, 2016.

\* cited by examiner



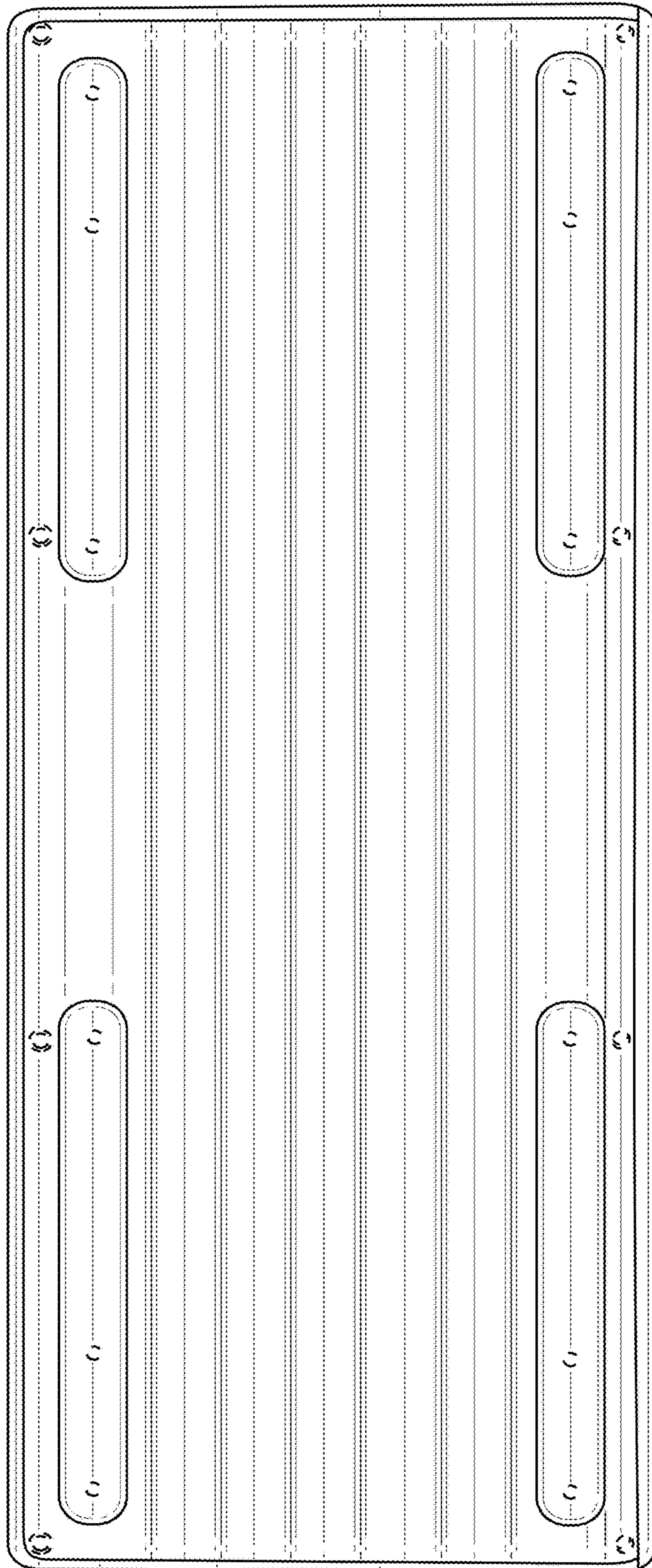


**FIG. 1**

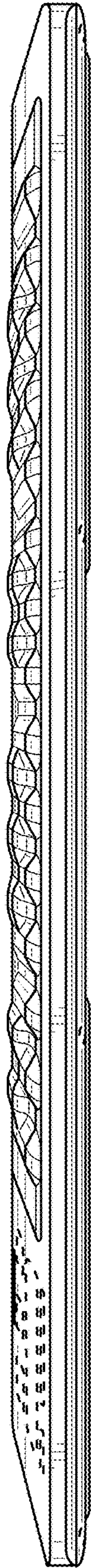


**FIG. 2**





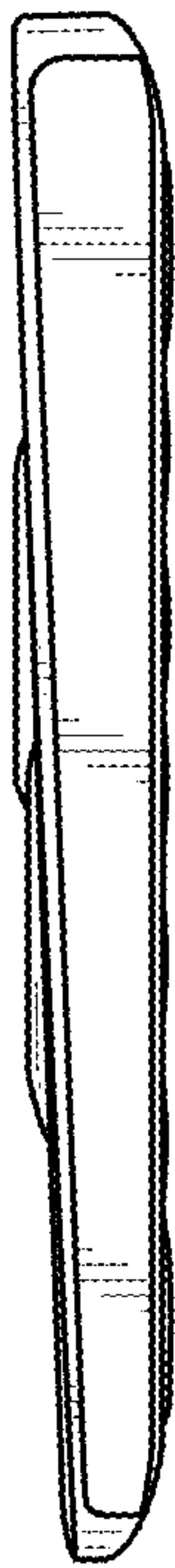
**FIG. 3**



**FIG. 4**

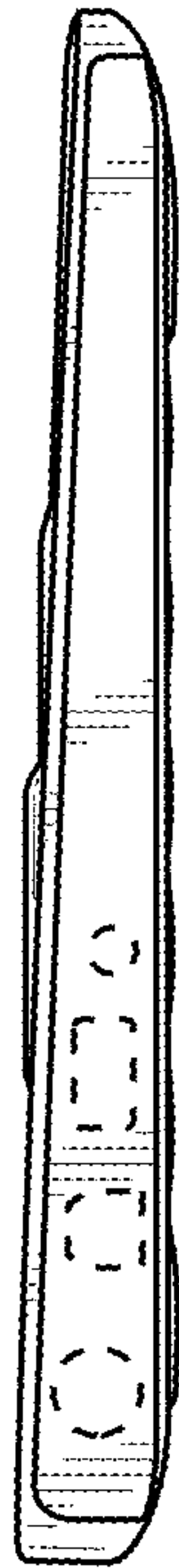


**FIG. 5**



**FIG. 6**





**FIG. 7**