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(12)

United States Design Patent

Hebeisen et al.

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(54) **KEYPAD**

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

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(51) **LOC (14) Cl.** **13-03**

(52) **U.S. Cl.**
USPC **D13/162; D13/171**

(58) **Field of Classification Search**
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D10/104.1, 106.9, 106.95; D13/158, 162,
D13/162.1, 165, 168, 171, 174, 177
CPC .. G06F 3/03547; G06F 3/0416; G06F 3/0484;
G06F 3/0488; G06F 3/4886; G02F
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See application file for complete search history.

(56) **References Cited**

U.S. PATENT DOCUMENTS

D254,849 S *

4/1980 Matsuda

.....

D13/171

D305,018 S *

12/1989 Pena

.....

D13/164

D305,019 S *

12/1989 Pena

.....

D13/171

D336,744 S *

6/1993 Kahn

.....

D13/171

D357,507 S *

4/1995 Chen

.....

D21/324

D392,256 S *

3/1998 Saint-Cyr

.....

D13/158

D429,699 S *

8/2000 Davis

.....

D13/162

D444,774 S *

7/2001 Ciornei

.....

D13/164

6,388,399 B1 *

5/2002 Eckel

.....

H05B 41/3922
374/E1.004

(Continued)

FOREIGN PATENT DOCUMENTS

CN

304340707

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11/2017

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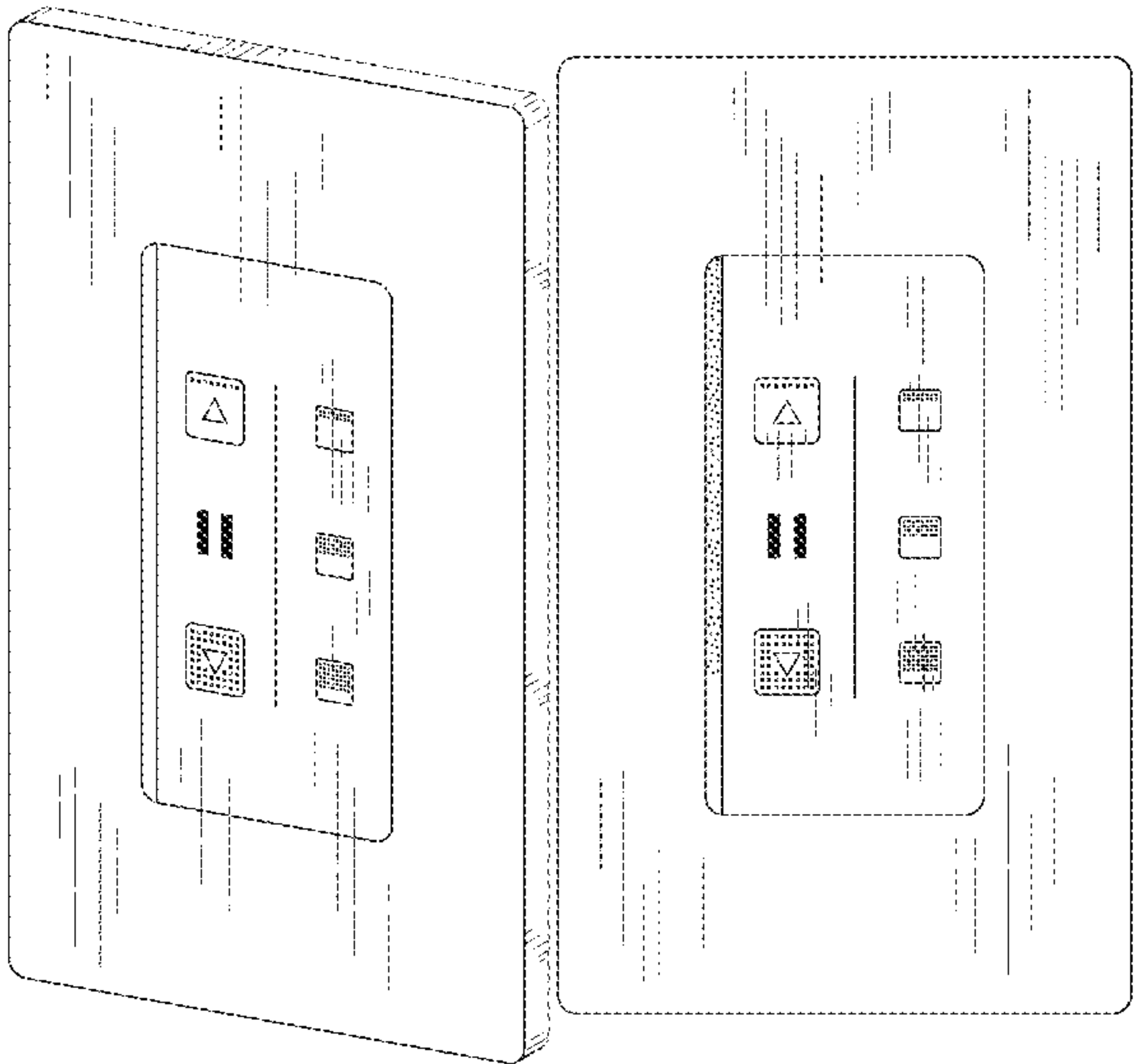
(57) **CLAIM**

The ornamental design for a keypad, substantially as shown and described.

DESCRIPTION

FIG. 1 is a perspective view of a keypad showing my new design;
FIG. 2 is a front view thereof;
FIG. 3 is a rearview thereof;
FIG. 4 is a top view thereof;
FIG. 5 is a bottom view thereof;
FIG. 6 is a right view thereof;
FIG. 7 is a left view thereof;
FIG. 8 is another front view of the keypad of FIG. 1, showing the light bar in a first state of an animated sequence;
FIG. 9 is another front view of the keypad of FIG. 1, showing the light bar in a second state of an animated sequence; and,
FIG. 10 is another front view of the keypad of FIG. 1, showing the light bar in a third state of an animated sequence.
The broken lines in the drawings depict portions of the keypad that form no part of the claimed design.
FIGS. 8-10 show a stipple shading representing a light bar with a contrast in appearance.
The process or period in which the design transitions to one state to another forms no part of the claimed design.

1 Claim, 8 Drawing Sheets



(56)

References Cited

U.S. PATENT DOCUMENTS

D462,332 S * 9/2002 Mayo D13/168
D490,780 S * 6/2004 Mayo D13/168
D505,922 S * 6/2005 Mayo D13/168
D506,447 S * 6/2005 Mayo D13/168
D507,244 S * 7/2005 Mayo D13/168
D516,040 S * 2/2006 Moye D13/162
D537,046 S * 2/2007 Blair D13/162
D539,234 S * 3/2007 Blair D13/162
D539,758 S * 4/2007 Blair D13/162
D543,158 S * 5/2007 Blair D13/162
D543,951 S * 6/2007 Blair D13/162
D546,296 S * 7/2007 Blair D13/171
D592,607 S * 5/2009 Felegy, Jr. D13/168
D611,431 S * 3/2010 Snyder D13/168
D616,770 S * 6/2010 Bhate D10/50
D619,106 S * 7/2010 Felegy, Jr. D13/168
D624,880 S * 10/2010 Felegy, Jr. D13/168
D624,881 S * 10/2010 Altonen D13/171
D631,854 S * 2/2011 Blair D13/168
D638,805 S * 5/2011 Clymer D13/168
D640,641 S * 6/2011 Felegy, Jr. D13/162
D640,992 S * 7/2011 Margolin D13/164
D645,001 S * 9/2011 Margolin D13/164
D646,232 S * 10/2011 Felegy, Jr. D13/168
D647,490 S * 10/2011 Clymer D13/174
D649,124 S * 11/2011 Jacoby D13/168
D649,125 S * 11/2011 Clymer D13/174
D658,591 S * 5/2012 Margolin D13/164
D664,933 S * 8/2012 Clymer D13/174
D674,355 S * 1/2013 Clymer D13/174
D678,219 S * 3/2013 Higashijima D13/168
D682,795 S * 5/2013 McDonald D13/168
D687,390 S * 8/2013 McDonald D13/168
D688,216 S * 8/2013 Clymer D13/174

D688,634 S * 8/2013 Sakai D13/168
D692,398 S * 10/2013 Felegy, Jr. D13/168
D704,152 S * 5/2014 Altonen D13/168
D713,360 S * 9/2014 Spira D13/168
D714,232 S * 9/2014 Chambers D13/168
D714,736 S * 10/2014 O'Donnell D13/164
D714,742 S * 10/2014 Chambers D13/174
D714,743 S * 10/2014 Chambers D13/174
D715,232 S * 10/2014 Chambers D13/174
D717,250 S * 11/2014 Chambers D13/174
D718,723 S * 12/2014 Clymer D13/168
D721,662 S * 1/2015 Chambers D13/174
D749,061 S * 2/2016 Lee D14/218
D768,581 S * 10/2016 Spira D13/168
D774,470 S * 12/2016 Altonen D13/168
D783,545 S * 4/2017 Feldstein D13/164
D797,060 S * 9/2017 Pham D13/168
D818,445 S * 5/2018 Altonen D13/168
D818,970 S * 5/2018 Zhou D13/164
D837,746 S * 1/2019 Guan D13/162
D845,914 S * 4/2019 Gage D13/171
D856,943 S * 8/2019 Gage D13/171
D863,235 S * 10/2019 Zhou D13/168
D866,488 S * 11/2019 Gage D13/171
D904,319 S * 12/2020 Grandadam D13/170
D914,614 S * 3/2021 Muertter D13/162
D937,790 S * 12/2021 Grandadam D13/174
D949,829 S * 4/2022 Yan D14/218
D982,532 S * 4/2023 Bowen D13/168
D996,987 S * 8/2023 Di D10/50
D1,002,558 S * 10/2023 Khoreibi D13/162
11,821,261 B2 * 11/2023 Hebeisen G06F 3/04886
D1,012,047 S * 1/2024 Kreschollek D13/162
2018/0011574 A1 * 1/2018 Lim G02F 1/133308
2018/0052559 A1 * 2/2018 Xue G02F 1/13338
2021/0277716 A1 * 9/2021 Hebeisen G06F 3/04886
2022/0298850 A1 * 9/2022 Shrivastava E06B 9/24

* cited by examiner

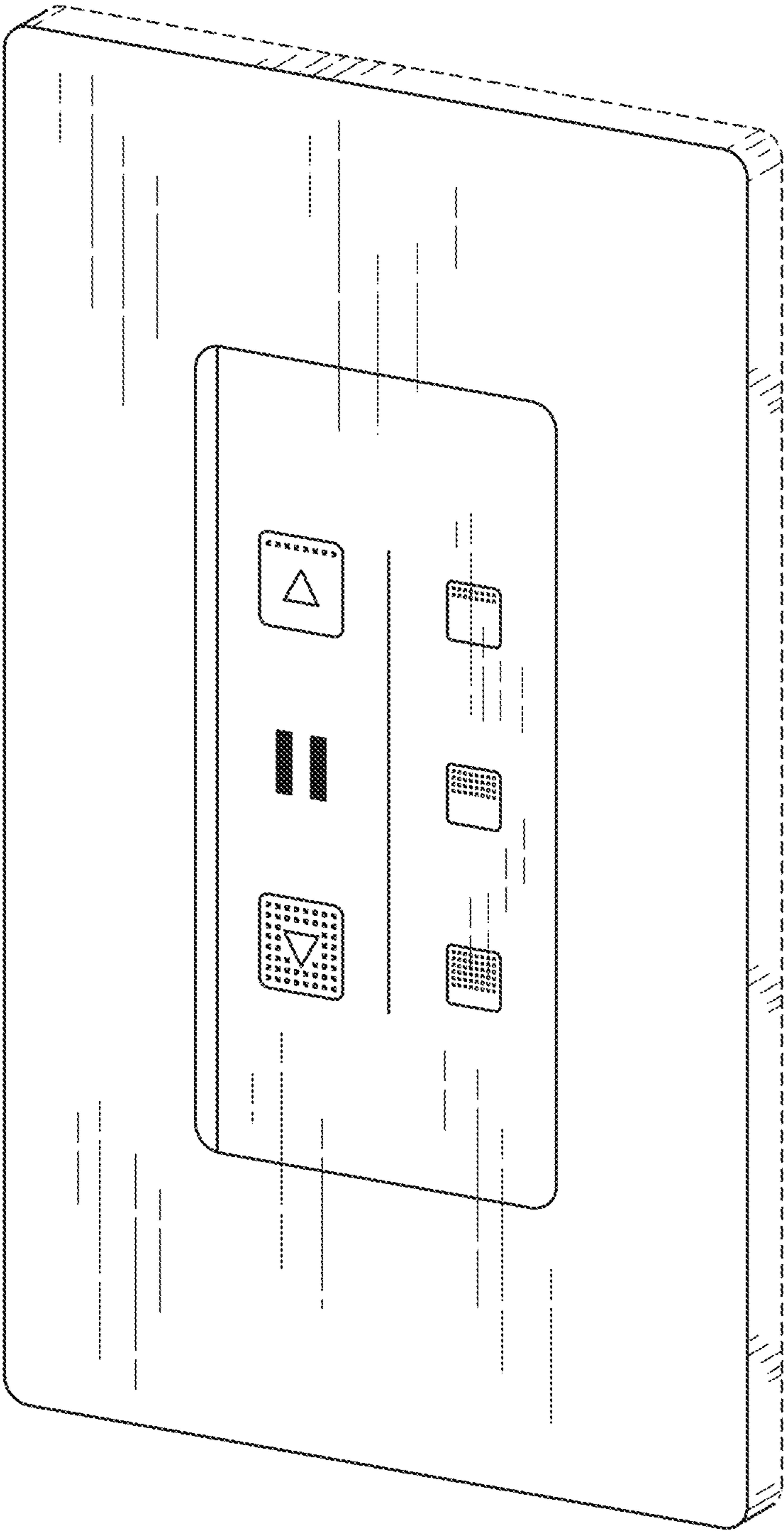


FIG.1

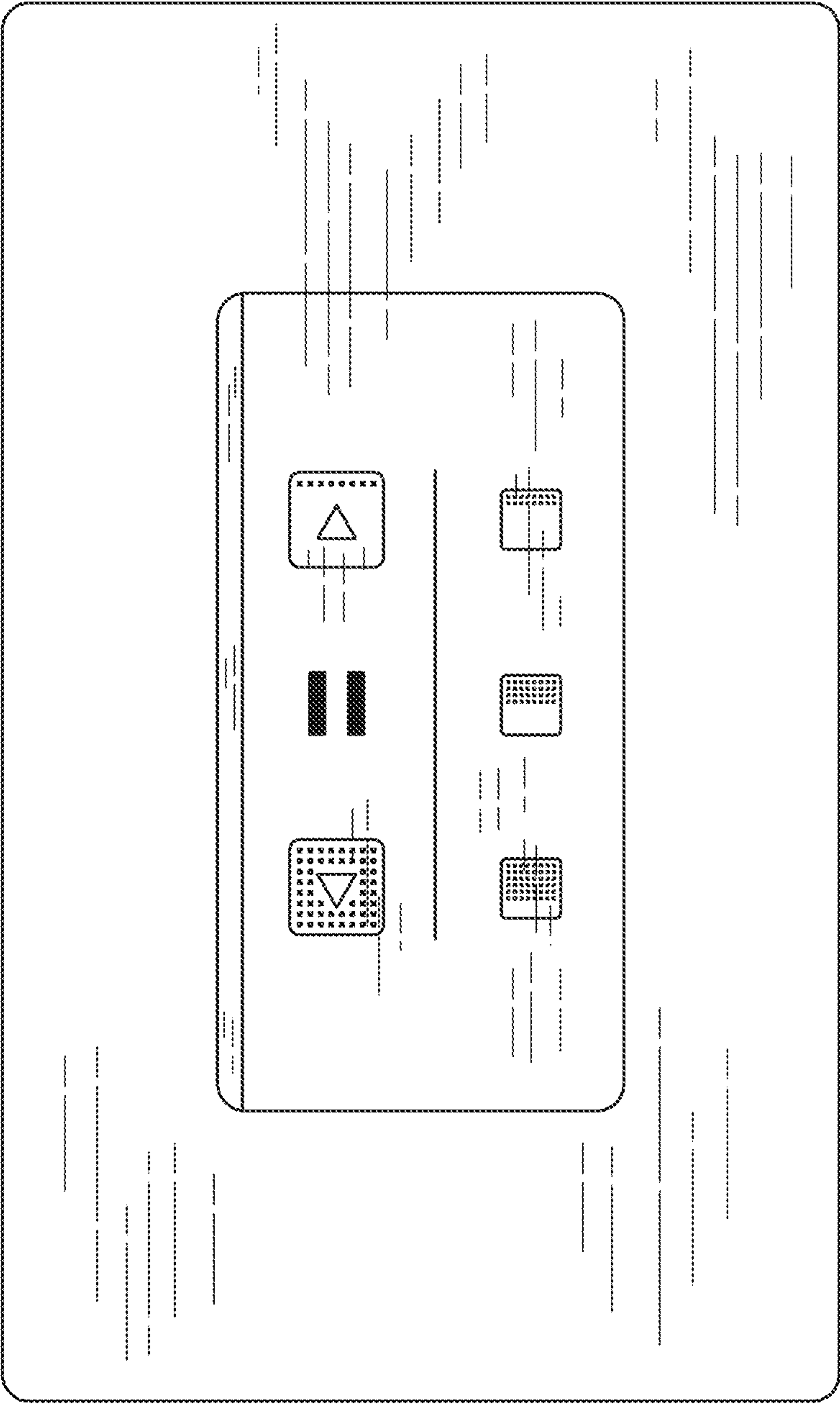


FIG.2

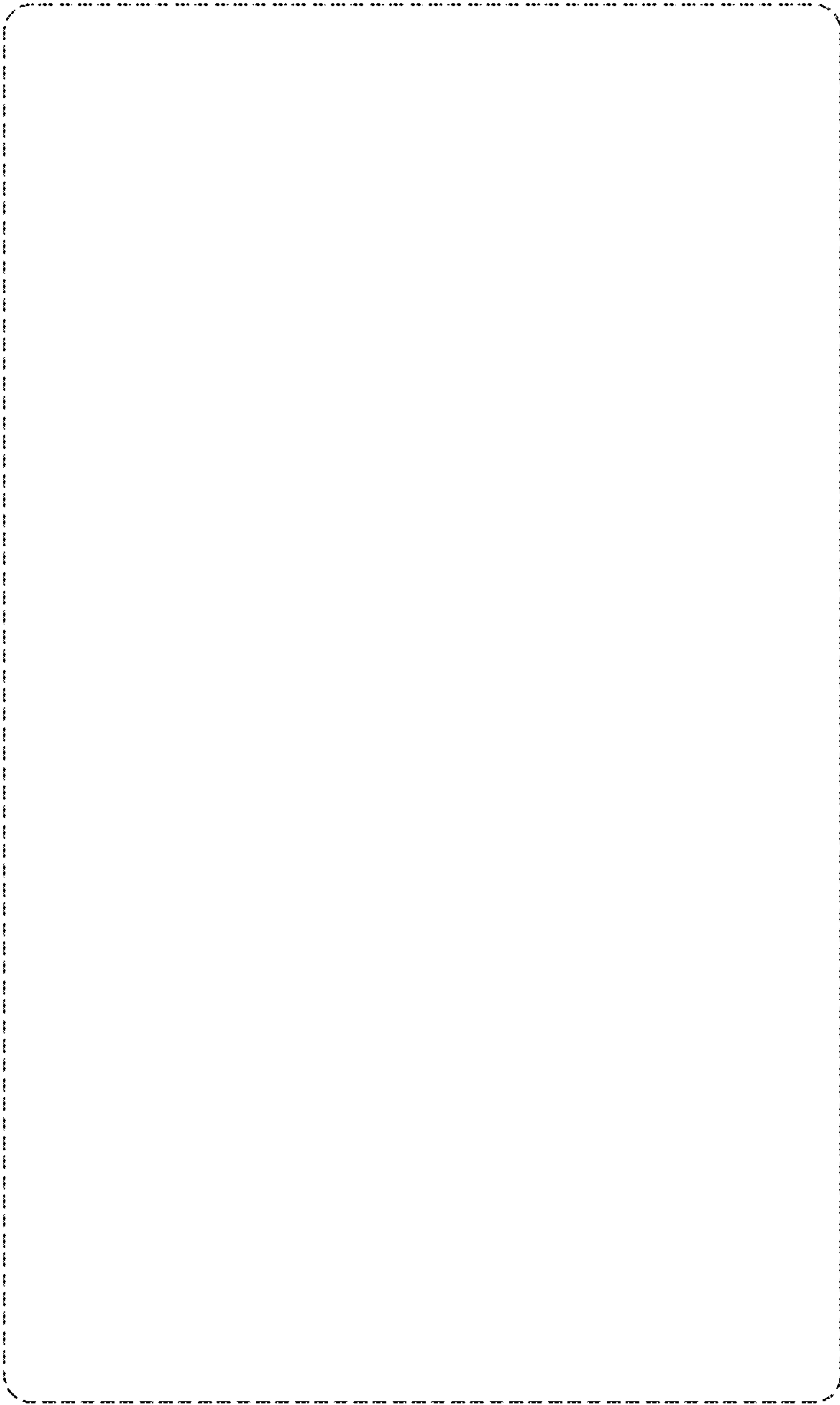


FIG.3



FIG.4



FIG.5



FIG.6



FIG.7

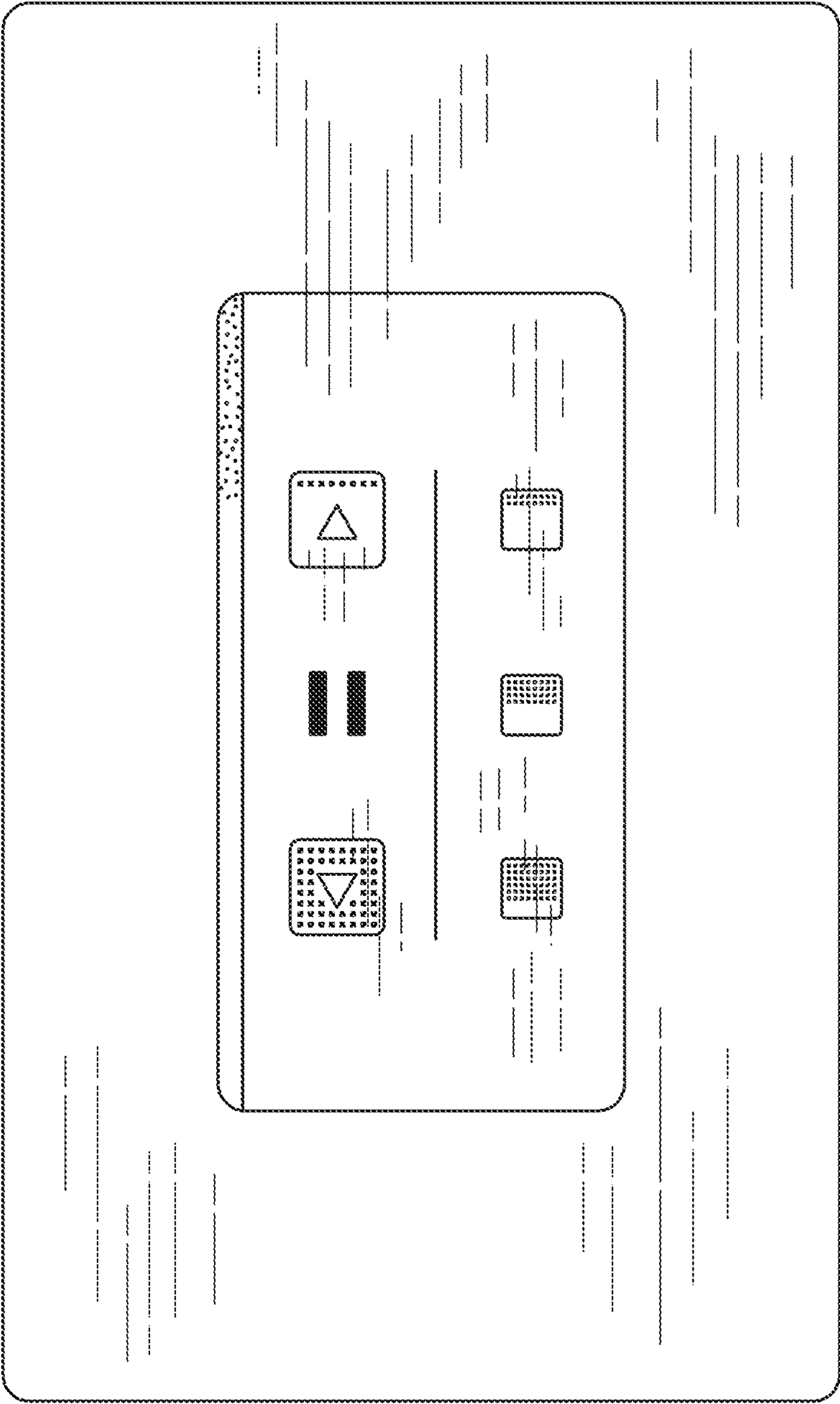


FIG.8

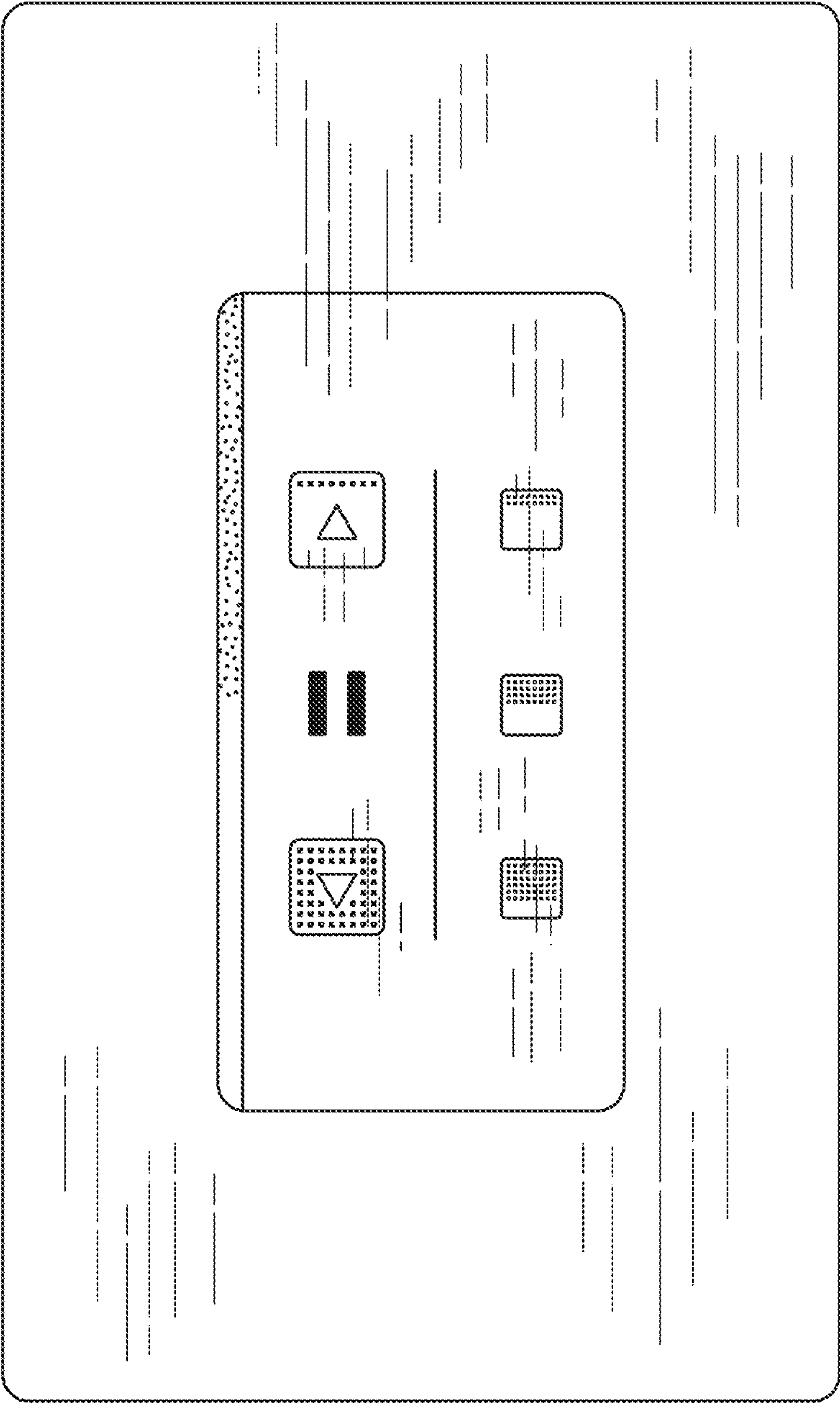


FIG.9

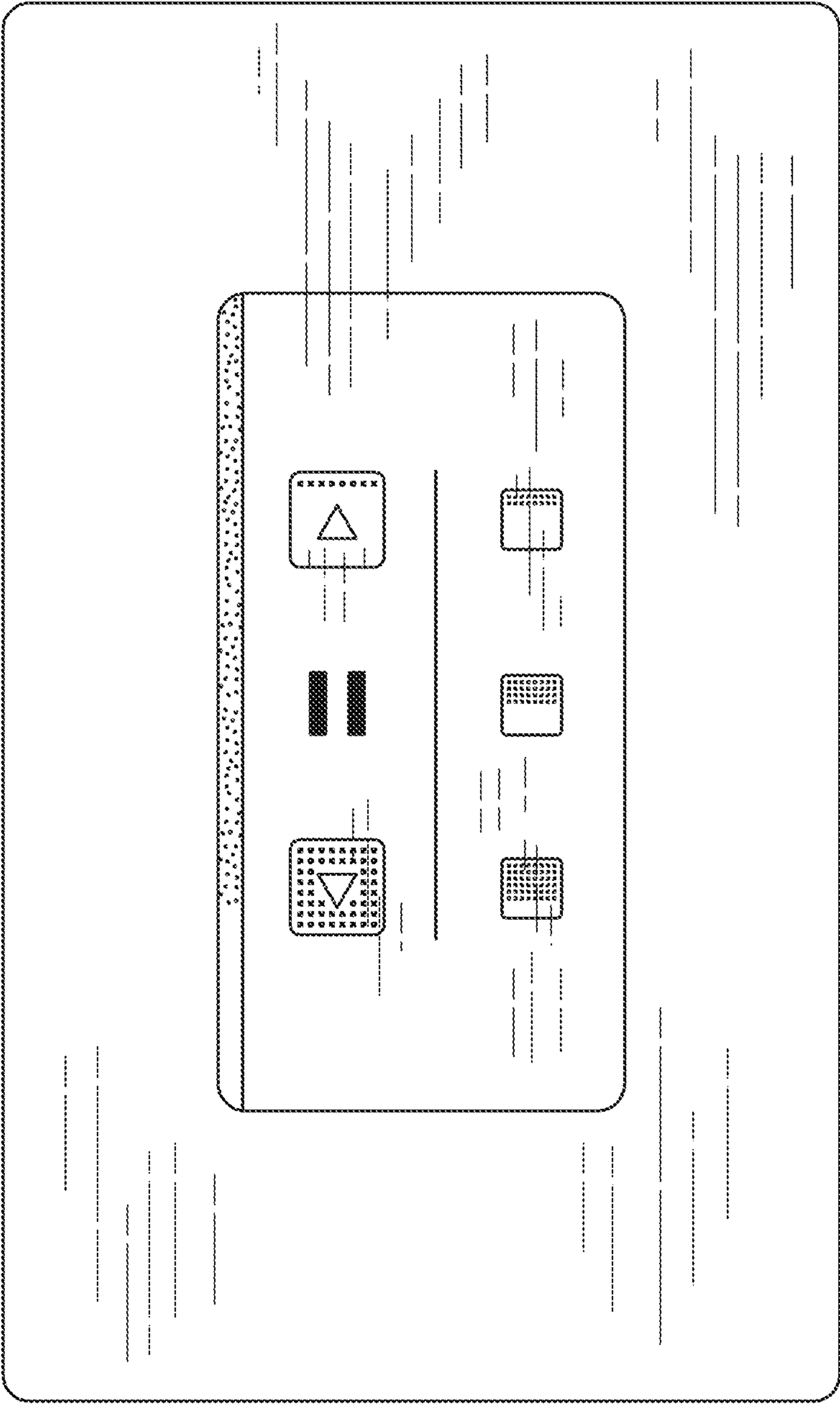


FIG.10