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(12) **United States Design Patent**  
**Li**

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(54) **TEMPERATURE CONTROLLER**

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

(21) Appl. No.: **29/517,630**

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(30) **Foreign Application Priority Data**

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(51) **LOC (10) Cl.** ..... **10-04**

(52) **U.S. Cl.**  
USPC ..... **D10/50**

(58) **Field of Classification Search**

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D13/162, 163; D14/126, 336, 371,  
D14/374, 389

CPC ..... F23N 5/20; F23N 5/203; F23N 5/206;  
F23N 5/18; F23N 5/184; F23N 5/187; F23N  
5/22; F23N 2025/12; F23N 2041/02; F24F  
11/00; F24F 11/0012; F24F 11/0009; F24F  
11/001; F24F 2011/0057; F24F 2011/0073;  
F24F 2011/0091

See application file for complete search history.

(56) **References Cited**

**U.S. PATENT DOCUMENTS**

D261,234 S \* 10/1981 Abraham ..... D9/432  
D387,982 S \* 12/1997 Kaplan ..... D9/423  
D568,257 S \* 5/2008 Tatsuyama et al. .... D13/162  
D601,353 S \* 10/2009 Sadler et al. .... D6/308  
D622,513 S \* 8/2010 Tang et al. .... D6/308  
D630,169 S \* 1/2011 Nakai et al. .... D13/168  
7,867,646 B2 \* 1/2011 Rhodes ..... 429/100

D640,992 S \* 7/2011 Margolin et al. .... D13/162  
D648,642 S \* 11/2011 Wallaert et al. .... D10/50  
D649,073 S \* 11/2011 Baskinger et al. .... D10/60  
D662,094 S \* 6/2012 Mack et al. .... D14/388  
D678,218 S \* 3/2013 Sheen ..... D13/168  
D687,388 S \* 8/2013 Baumgartner et al. .... D13/162  
D690,295 S \* 9/2013 Fletcher et al. .... D14/336  
D694,718 S \* 12/2013 Baumgartner et al. .... D13/168  
D695,410 S \* 12/2013 Becker ..... D24/186  
D696,636 S \* 12/2013 Sakai ..... D13/168  
D699,130 S \* 2/2014 Rhodes et al. .... D10/50  
8,644,009 B2 \* 2/2014 Rylski et al. .... 361/679.01  
D705,093 S \* 5/2014 Edgar ..... D10/50  
D711,837 S \* 8/2014 Clymer et al. .... D13/162  
D719,854 S \* 12/2014 Edgar ..... D10/50

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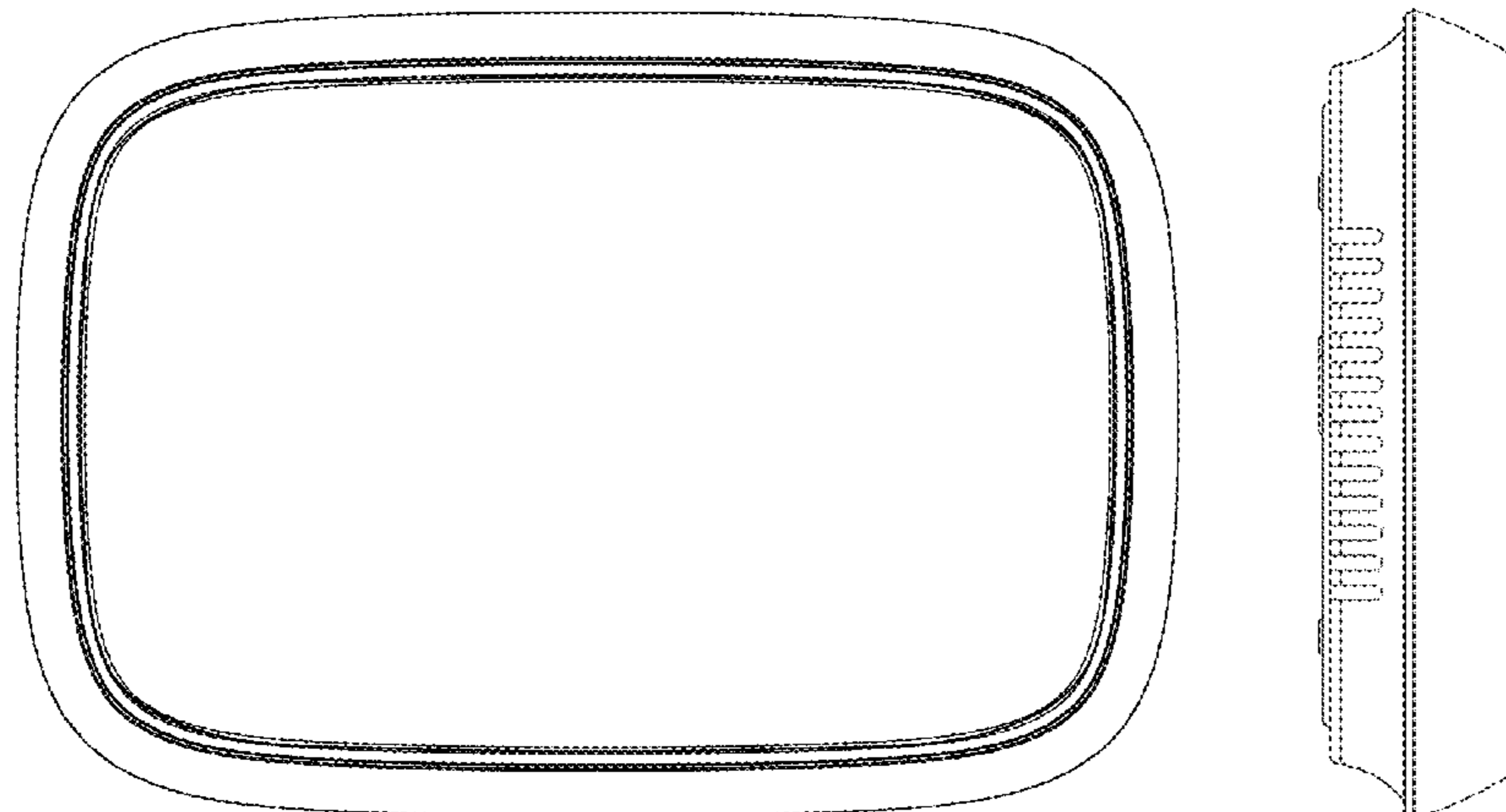
(57) **CLAIM**

The ornamental design for a temperature controller, as shown  
and described.

**DESCRIPTION**

FIG. 1 is a front view of a temperature controller according to  
the present application;  
FIG. 2 is a rear view of the temperature controller according  
to the present application;  
FIG. 3 is a left view of the temperature controller according to  
the present application;  
FIG. 4 is a right view of the temperature controller according  
to the present application;  
FIG. 5 is a top view of the temperature controller according to  
the present application;  
FIG. 6 is a bottom view of the temperature controller accord-  
ing to the present application; and,  
FIG. 7 is a perspective view of the temperature controller  
according to the present application.  
The broken lines shown in FIGS. 2-6 represent unclaimed  
portions of the temperature controller and form no part of the  
claimed design.

**1 Claim, 4 Drawing Sheets**



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(56)

## References Cited

### U.S. PATENT DOCUMENTS

D719,855 S \* 12/2014 Edgar ..... D10/50  
8,922,493 B2 \* 12/2014 Kim ..... 345/169

D724,035 S \* 3/2015 Flowers et al. .... D13/162  
D727,271 S \* 4/2015 Shi et al. .... D13/162  
D727,857 S \* 4/2015 Acera et al. .... D13/162

\* cited by examiner

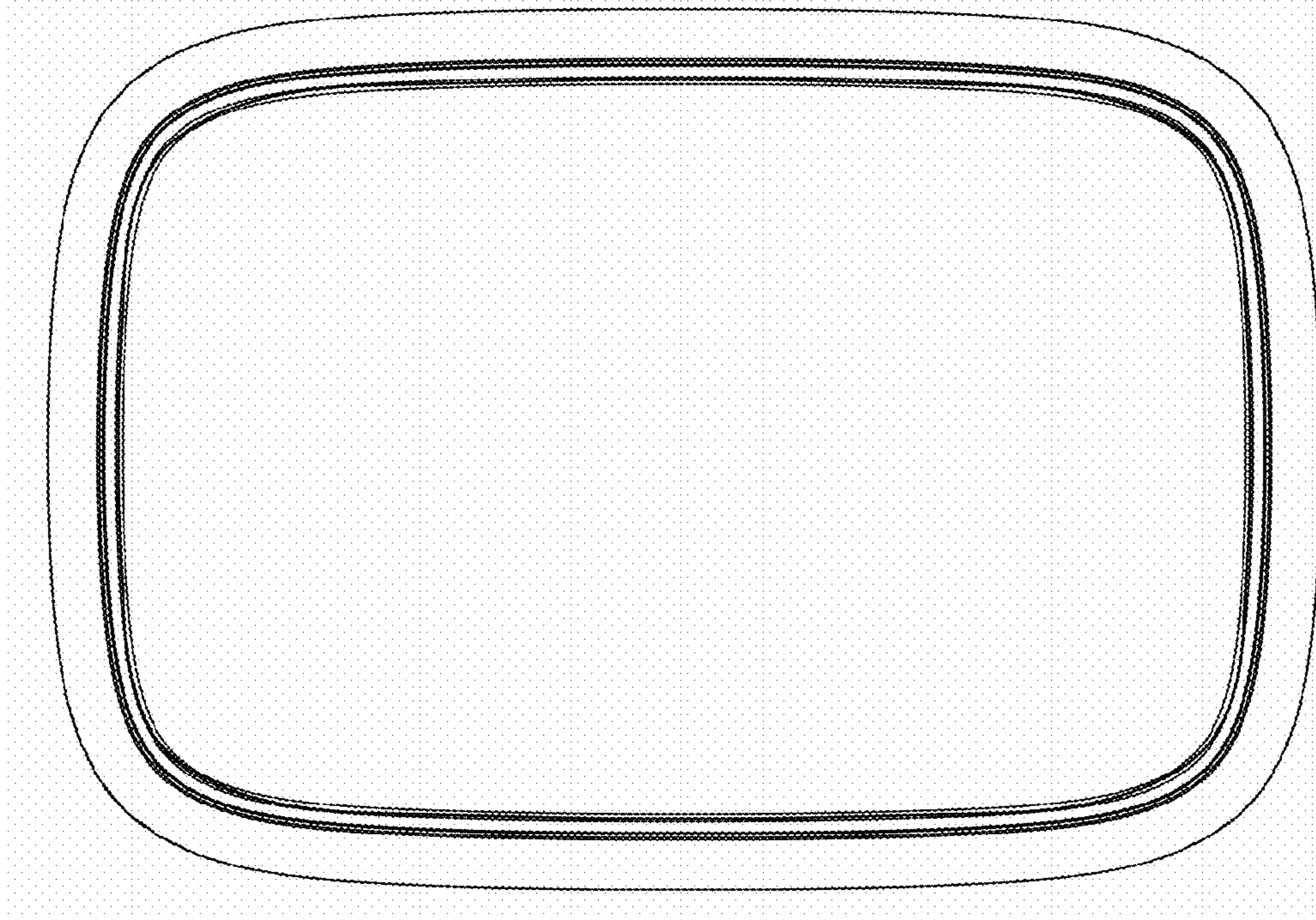


Fig. 1

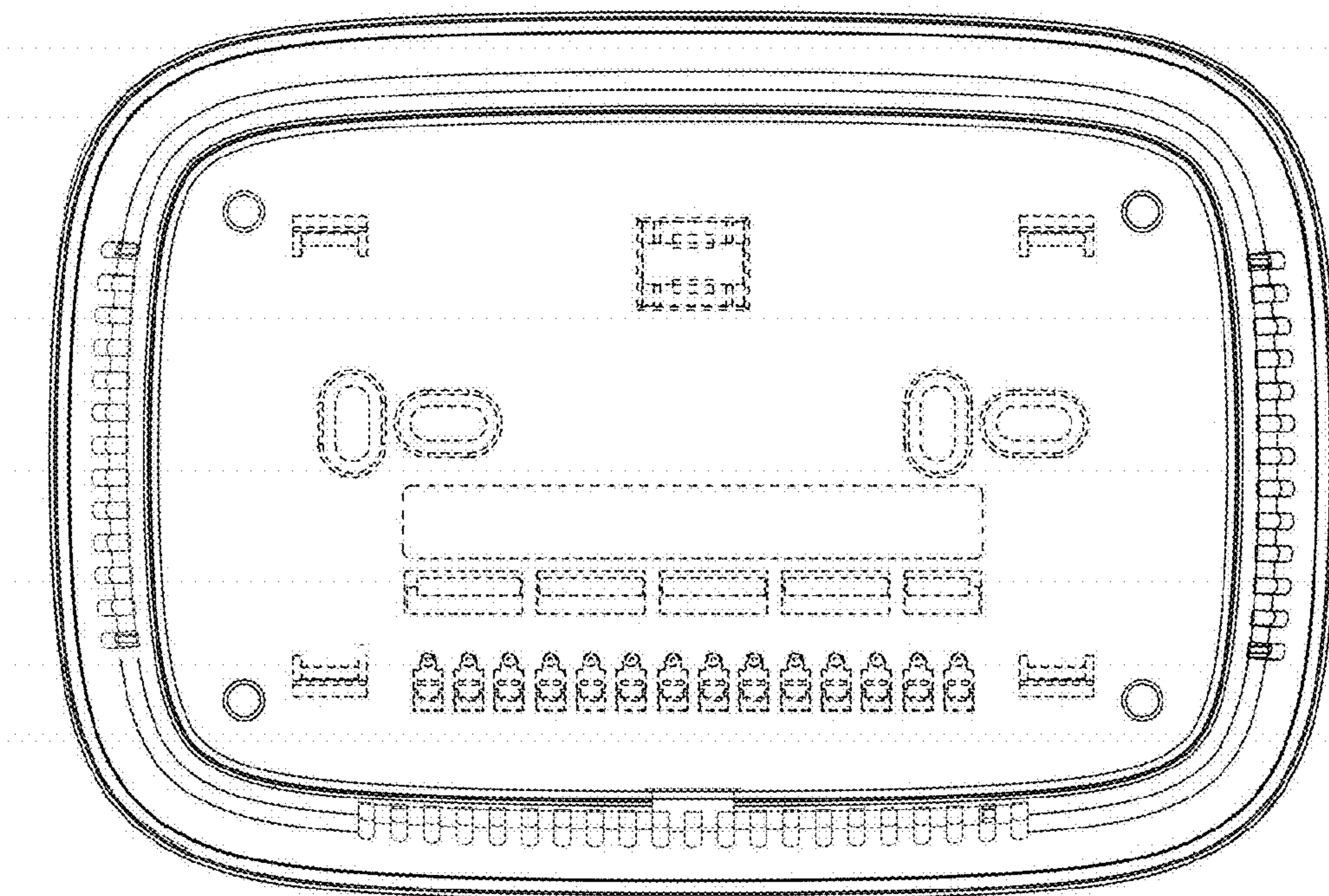


Fig. 2



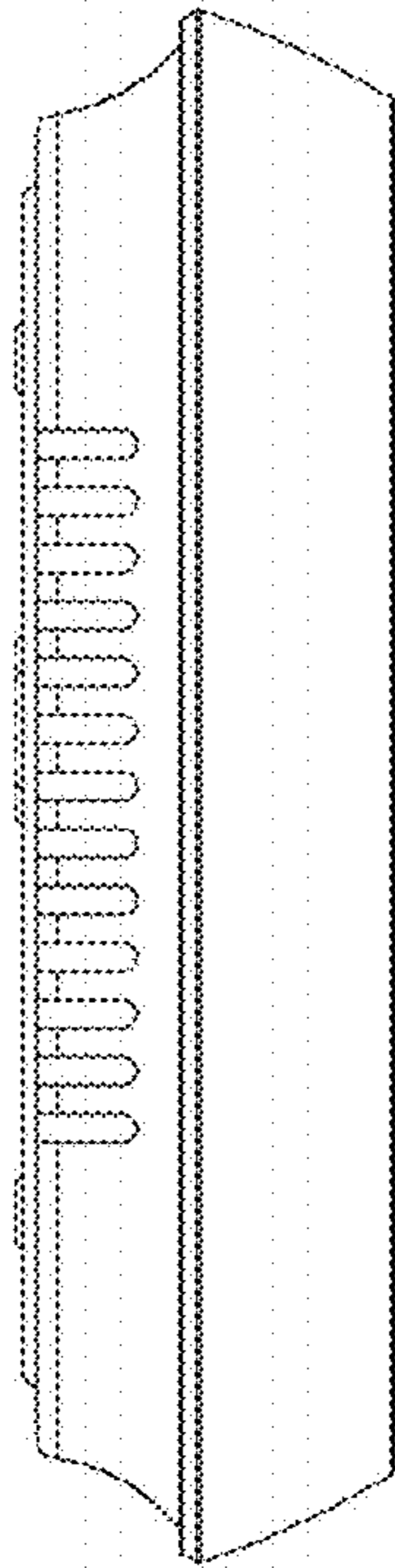


Fig. 3

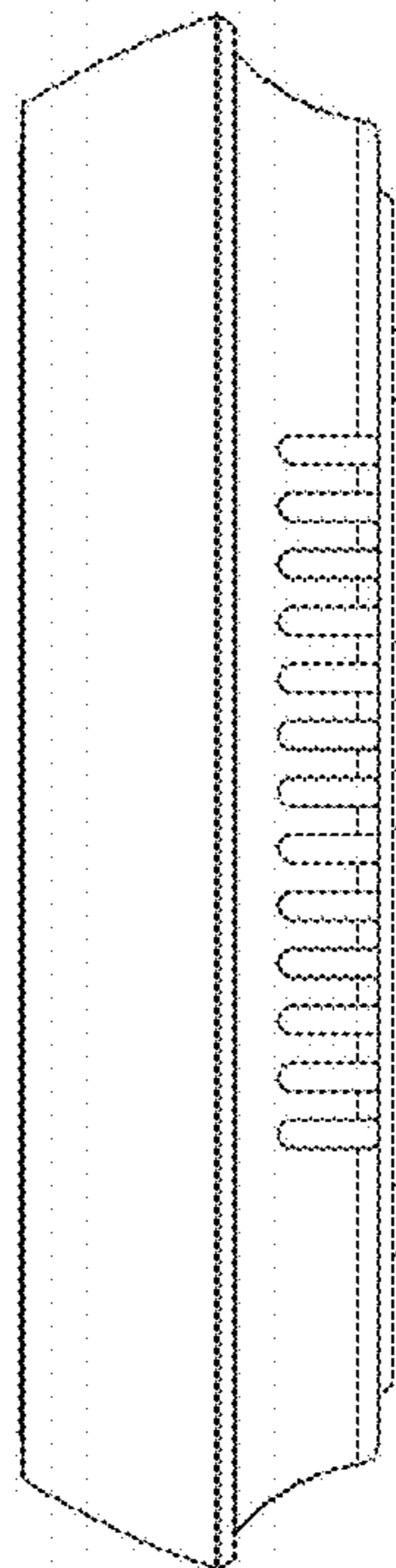


Fig. 4

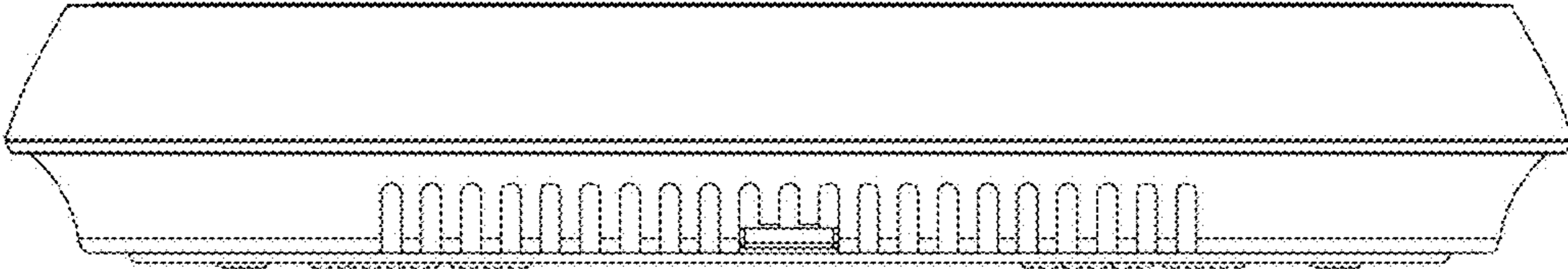


Fig. 5

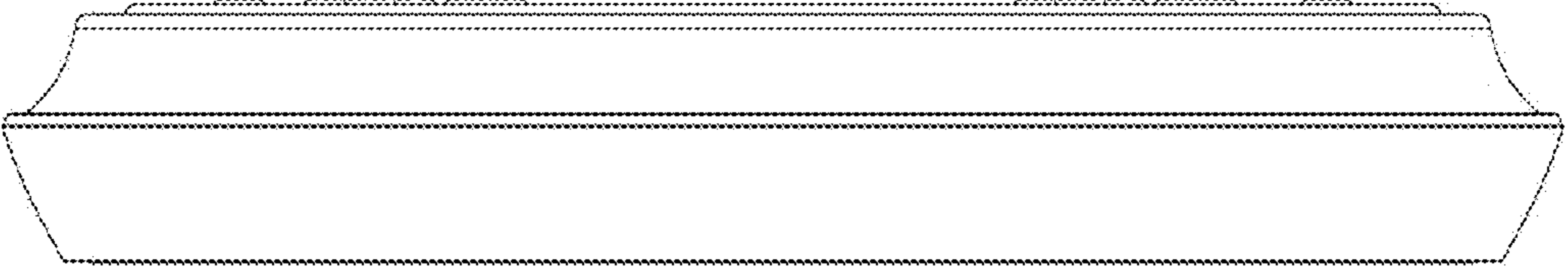


Fig. 6

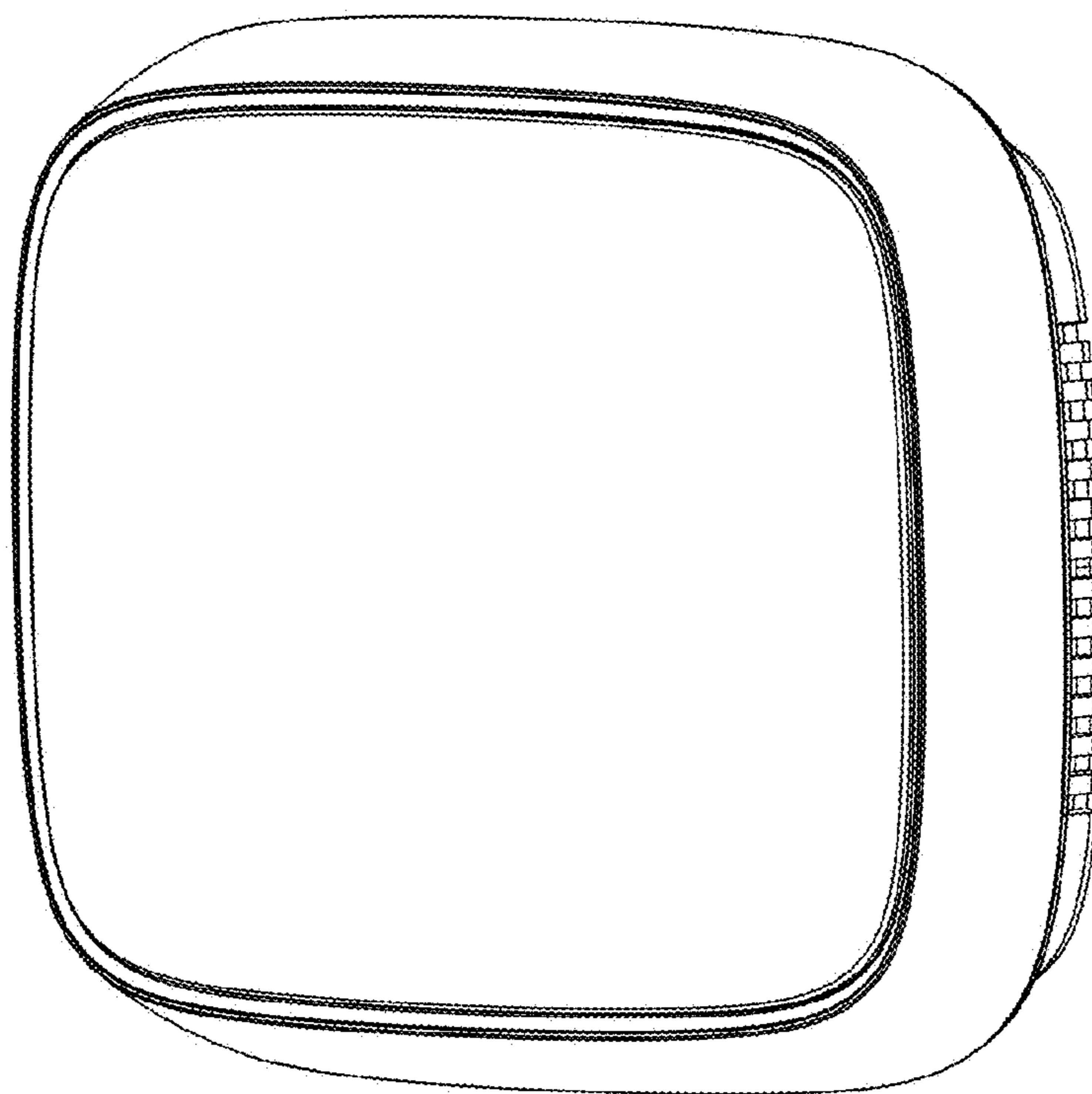


Fig. 7