



US00D942282S

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

(10) **Patent No.:** **US D942,282 S**  
(45) **Date of Patent:** **\*\* Feb. 1, 2022**

(54) **HYGROTHERMOGRAPH**

(71) Applicant: **Shenzhen Intellirocks Tech. Co., Ltd,**  
Shenzhen (CN)

(72) Inventors: **Cheng Gong,** Shenzhen (CN); **Tong Li,**  
Shenzhen (CN); **Wenlong Wu,**  
Shenzhen (CN)

(73) Assignee: **Shenzhen Intellirocks Tech. Co., Ltd,**  
Shenzhen (CN)

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

(21) Appl. No.: **29/728,635**

(22) Filed: **Mar. 20, 2020**

(51) **LOC (13) Cl.** ..... **10-05**

(52) **U.S. Cl.**  
USPC ..... **D10/53; D10/50**

(58) **Field of Classification Search**

USPC ..... D10/81, 103, 49-60, 106.95, 106.1,  
D10/104.1, 106.2, 106.3, 106.4;  
D14/217, 434, 218, 138 G; D13/168;  
D23/346

CPC ..... G08B 5/36; G08B 21/182; G08B 25/14;  
G08B 17/00; G08B 3/10; G08B 3/00;  
H05K 1/181; H05K 5/0017; H05K  
2201/10106; H05K 2201/10128; H05K  
7/1401; H05K 7/14; F24F 11/30; F24F  
11/523; F24F 11/49; F24F 2110/10; F24F  
11/88; F24F 3/16; F24F 2110/40; G05D  
23/19; H02G 3/10; H02G 3/14; B60H  
1/00364; B60H

(Continued)

(56) **References Cited**

**U.S. PATENT DOCUMENTS**

D596,626 S \* 7/2009 Andre ..... D14/240  
D648,298 S \* 11/2011 Pierce ..... D14/138 G

(Continued)

**FOREIGN PATENT DOCUMENTS**

CN 301775684 \* 12/2011  
CN 303215909 \* 11/2014

(Continued)

**OTHER PUBLICATIONS**

Govee Store, Bluetooth Digital Hygrometer Indoor Ther,Date first available Oct. 31, 2019, [online]retrieved Aug. 25, 2021,available from [https://www.amazon.com/Govee-Temperature-Humidity-Notification-Monitor/dp/B07Y36FWTT/ref=pd\\_di\\_sccai\\_5/133-9953152-3452307?pd\\_rd\\_w=tCn5V&pf\\_rd\\_p=c9443270-b914-4430-a90](https://www.amazon.com/Govee-Temperature-Humidity-Notification-Monitor/dp/B07Y36FWTT/ref=pd_di_sccai_5/133-9953152-3452307?pd_rd_w=tCn5V&pf_rd_p=c9443270-b914-4430-a90) (Year: 2019).\*

(Continued)

*Primary Examiner* — Keli L Hill

*Assistant Examiner* — Sara S Sahneh

(74) *Attorney, Agent, or Firm* — W&G Law Group

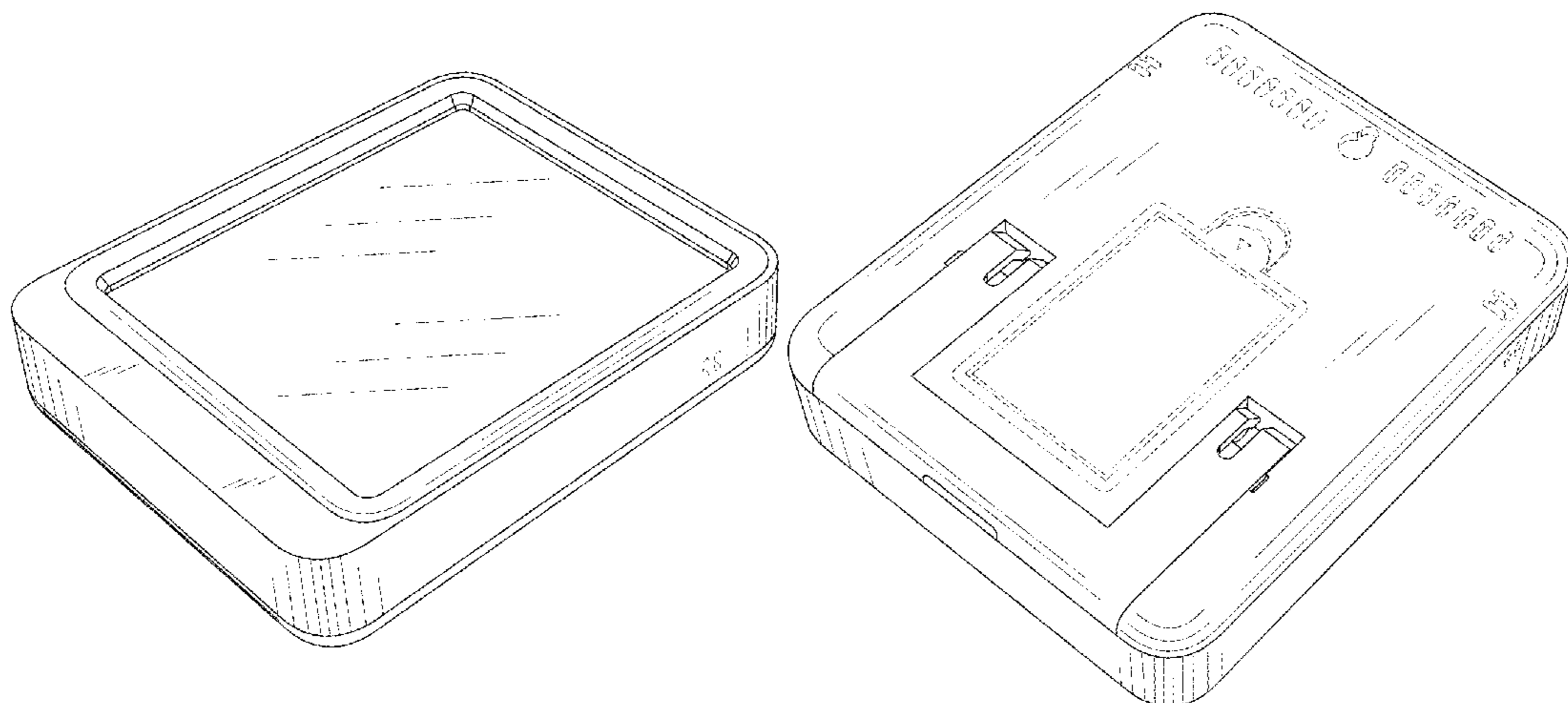
(57) **CLAIM**

The ornamental design for a hygrothermograph, as shown and described.

**DESCRIPTION**

FIG. 1 is a first perspective view of a hygrothermograph showing the new design;  
FIG. 2 is a second perspective view of the hygrothermograph showing the new design;  
FIG. 3 is a front view thereof;  
FIG. 4 is a rear view thereof;  
FIG. 5 is a left view thereof;  
FIG. 6 is a right view thereof;  
FIG. 7 is a top view thereof;  
FIG. 8 is a bottom view thereof;  
FIG. 9 is a right front side perspective view of the hygrothermograph in use; and,  
FIG. 10 is a left rear perspective view of the hygrothermpgraph in use.

(Continued)



The broken lines in the drawings show portions of the hygrothermograph which form no part of the claimed design.

|            |   |        |       |       |         |
|------------|---|--------|-------|-------|---------|
| D844,765 S | * | 4/2019 | Zhang | ..... | D23/364 |
| D860,829 S | * | 9/2019 | Yun   | ..... | D10/53  |
| D885,943 S | * | 6/2020 | Yu    | ..... | D10/57  |
| D912,621 S | * | 3/2021 | Qiu   | ..... | D13/108 |

**1 Claim, 10 Drawing Sheets**

(58) **Field of Classification Search**

CPC ..... 1/00771; B60H 1/00964; A62C 37/36; H04M 19/04; H04M 11/025; H04M 1/0291; H04M 11/02; H04M 1/72527; H04M 2250/12; H04M 1/72409; G01W 1/02; G01W 1/00; G01J 5/0846; G01J 5/0265; G01J 5/0896; G01J 5/04; G01J 2005/068; B01D 46/0086; B01D 46/42; B01D 2279/50; B01D 46/00; B01D 46/44; G01N 25/00; G01N 33/0036; G01N 33/007; G01N 33/0032

See application file for complete search history.

(56) **References Cited**

U.S. PATENT DOCUMENTS

|            |   |         |         |       |            |
|------------|---|---------|---------|-------|------------|
| D670,277 S | * | 11/2012 | Huang   | ..... | D14/240    |
| D705,201 S | * | 5/2014  | Isaacs  | ..... | D14/240    |
| D720,314 S | * | 12/2014 | Wang    | ..... | D14/125    |
| D754,081 S | * | 4/2016  | Woodman | ..... | D13/168    |
| D758,217 S | * | 6/2016  | Kumfer  | ..... | D10/50     |
| D802,450 S | * | 11/2017 | Boynton | ..... | D10/50     |
| D834,437 S | * | 11/2018 | Zhang   | ..... | D10/106.95 |

FOREIGN PATENT DOCUMENTS

|    |                |   |         |
|----|----------------|---|---------|
| CN | 304671297      | * | 1/2018  |
| CN | 305723497      | * | 4/2020  |
| EM | 006609962-0001 | * | 7/2019  |
| EM | 008175889-0004 | * | 9/2020  |
| TR | 655367-0001    | * | 12/2013 |

OTHER PUBLICATIONS

Honeywell Home Store, Programmable Touchscreen Thermostat, Date first available Oct. 4, 2018, [online]retrieved Aug. 4, 2021, available from [https://www.amazon.com/dp/B07FKPFPGG?ref=emc\\_p\\_m\\_5\\_i](https://www.amazon.com/dp/B07FKPFPGG?ref=emc_p_m_5_i) (Year: 2018).\*

Govee Store, Hygrometer Thermometer, Date first available Apr. 26, 2019, [online]retrieved Aug. 25, 2021 ,available from [https://www.amazon.com/Govee-Thermometer-Hygrometer-Bluetooth-Temperature/dp/B07R586J37/ref=pd\\_day0\\_6/133-9953152-3452307?pd\\_rd\\_w=7BSyP&pf\\_rd\\_p=8ca997d7-1ea0-4c8f-9e14-a6d756b83e30&pf\\_rd](https://www.amazon.com/Govee-Thermometer-Hygrometer-Bluetooth-Temperature/dp/B07R586J37/ref=pd_day0_6/133-9953152-3452307?pd_rd_w=7BSyP&pf_rd_p=8ca997d7-1ea0-4c8f-9e14-a6d756b83e30&pf_rd) (Year: 2019).\*

Honeywell Home Store, WIFI Thermostat,Date first available May 6, 2019, [online]retrieved Aug. 25, 2021,available from [https://www.amazon.com/dp/B07RLXQYX3/ref=sspa\\_dk\\_detail\\_3?psc=1&pd\\_rd\\_i=B07RLXQYX3p13NParams&spLa=ZW5jcnlwdGVkUXVhbGlmaWVyPUEySTVBNzIzCSUhQMjUzJmVuY3J5cHRIZEikPUEwMjk1OTIzMkdZWjRPVE9CQ1FITS](https://www.amazon.com/dp/B07RLXQYX3/ref=sspa_dk_detail_3?psc=1&pd_rd_i=B07RLXQYX3p13NParams&spLa=ZW5jcnlwdGVkUXVhbGlmaWVyPUEySTVBNzIzCSUhQMjUzJmVuY3J5cHRIZEikPUEwMjk1OTIzMkdZWjRPVE9CQ1FITS) (Year: 2019).\*

\* cited by examiner

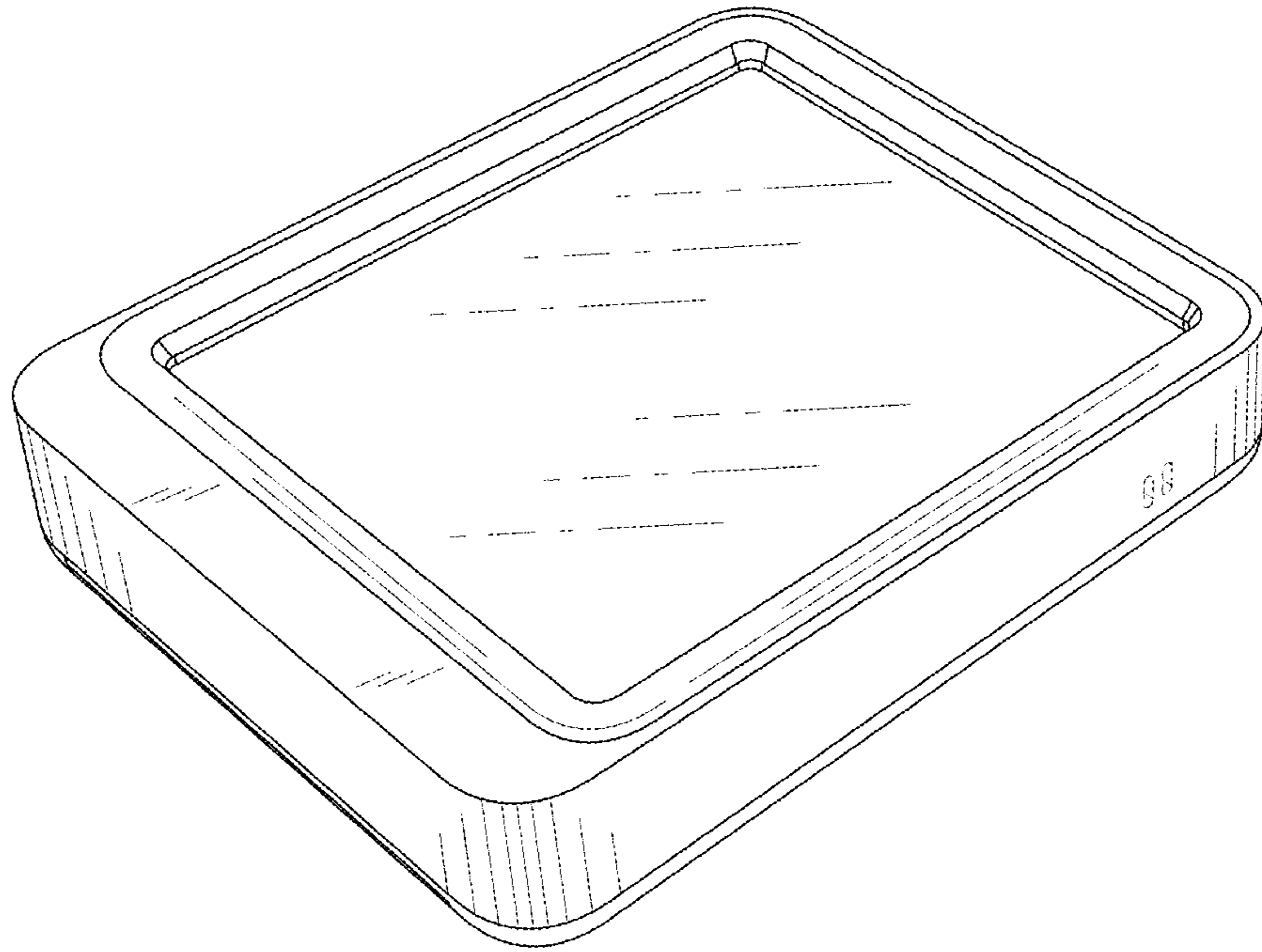


FIG. 1

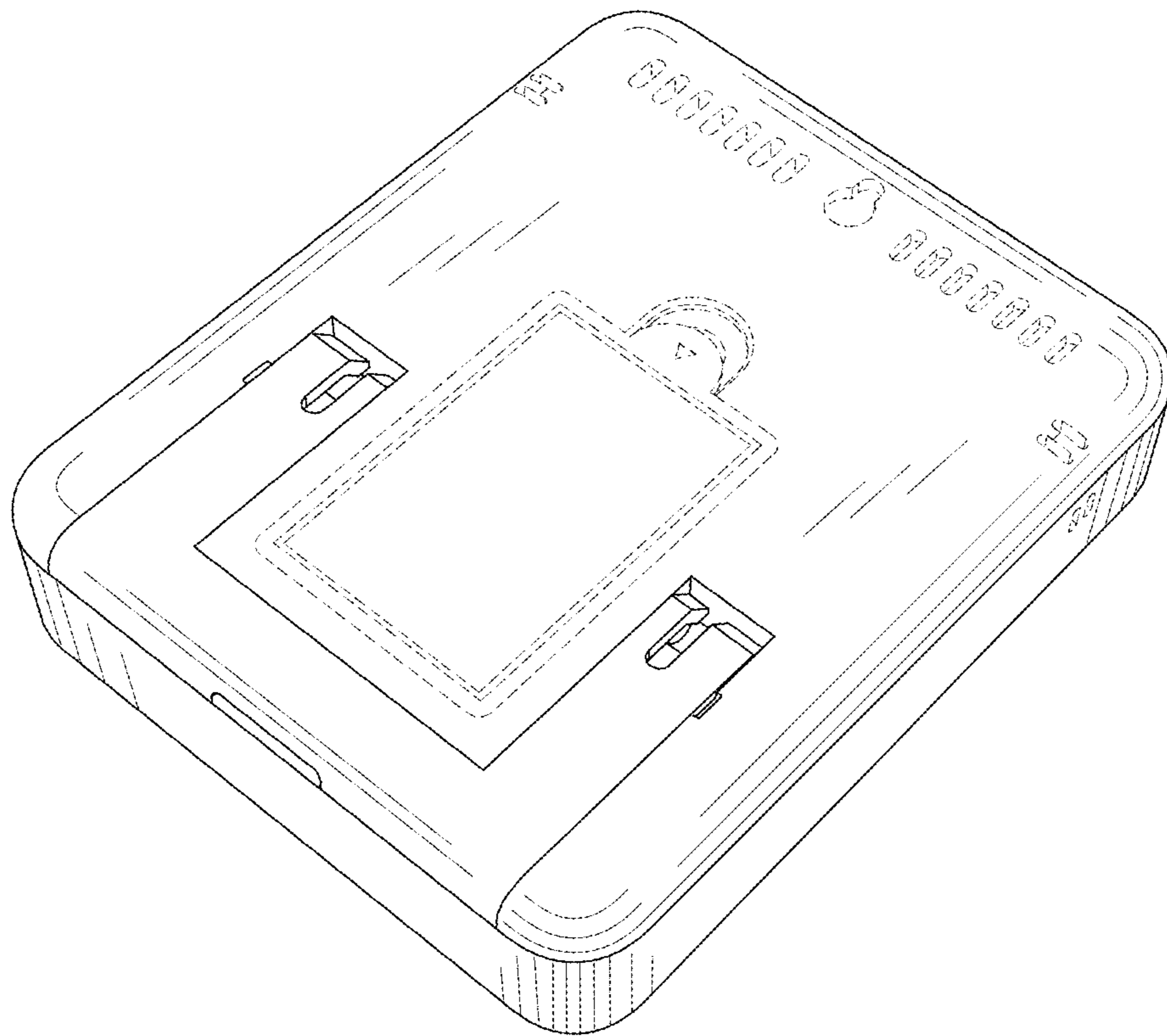


FIG. 2

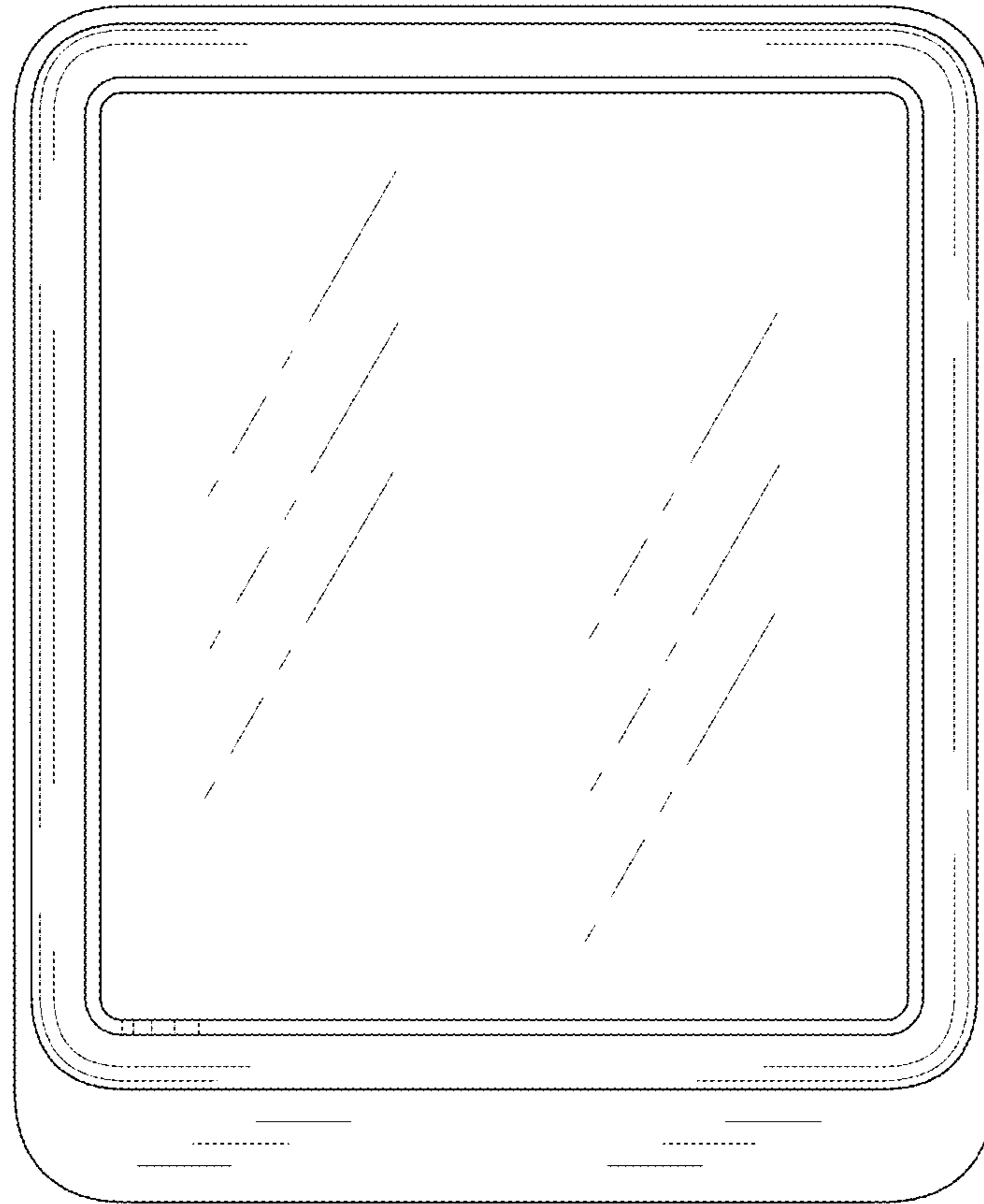


FIG. 3

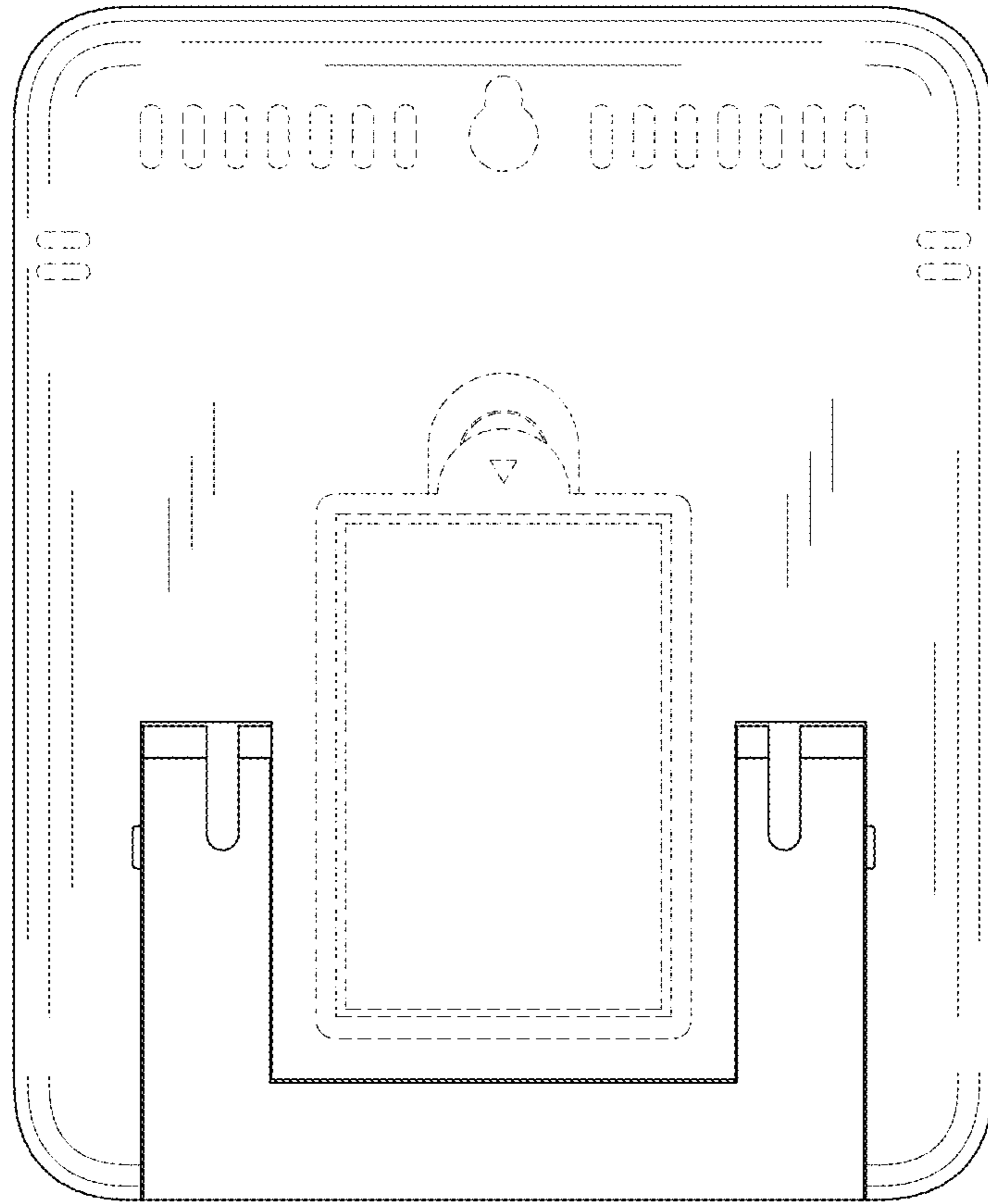


FIG. 4

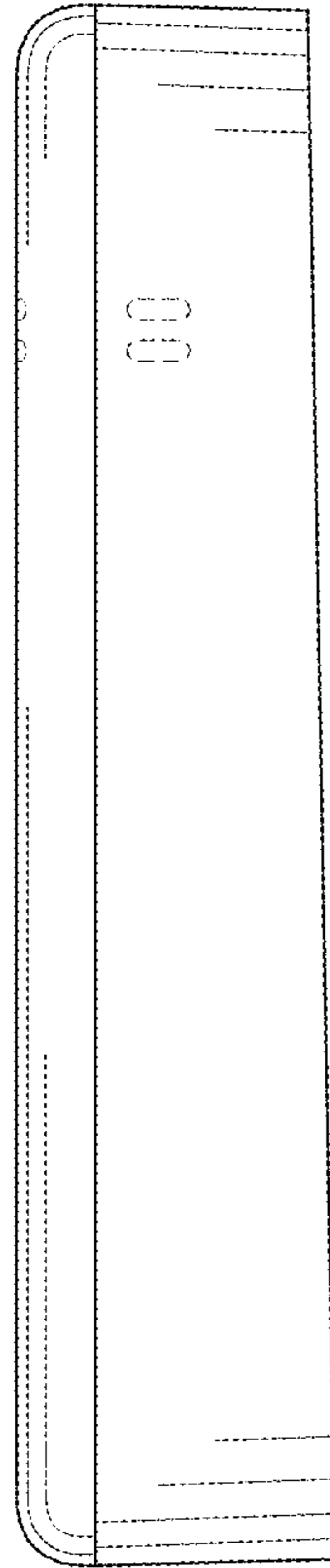


FIG. 5

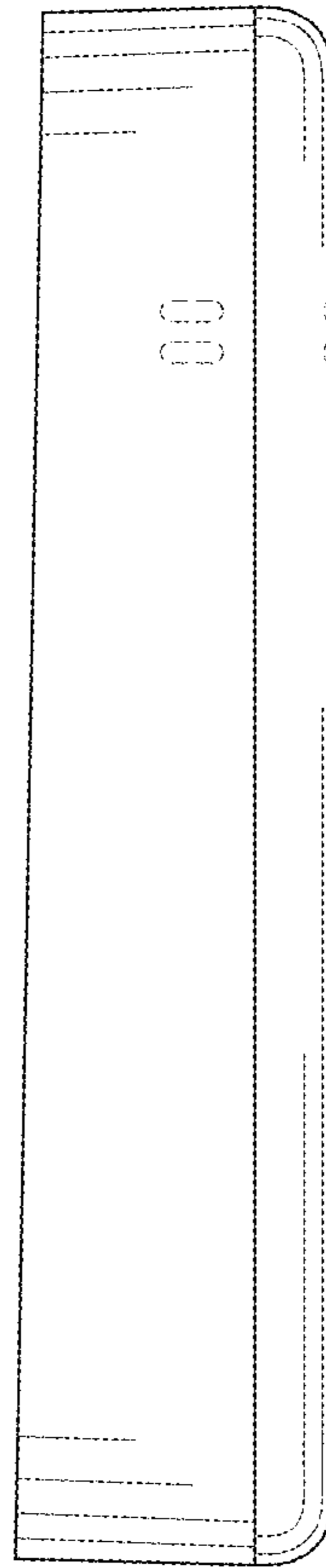


FIG. 6



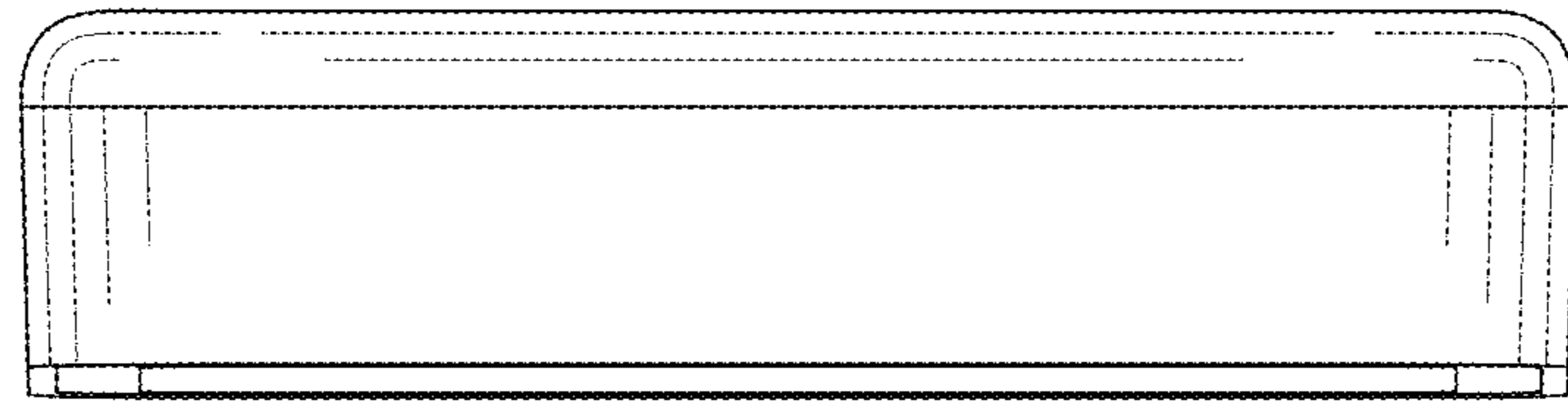


FIG. 7

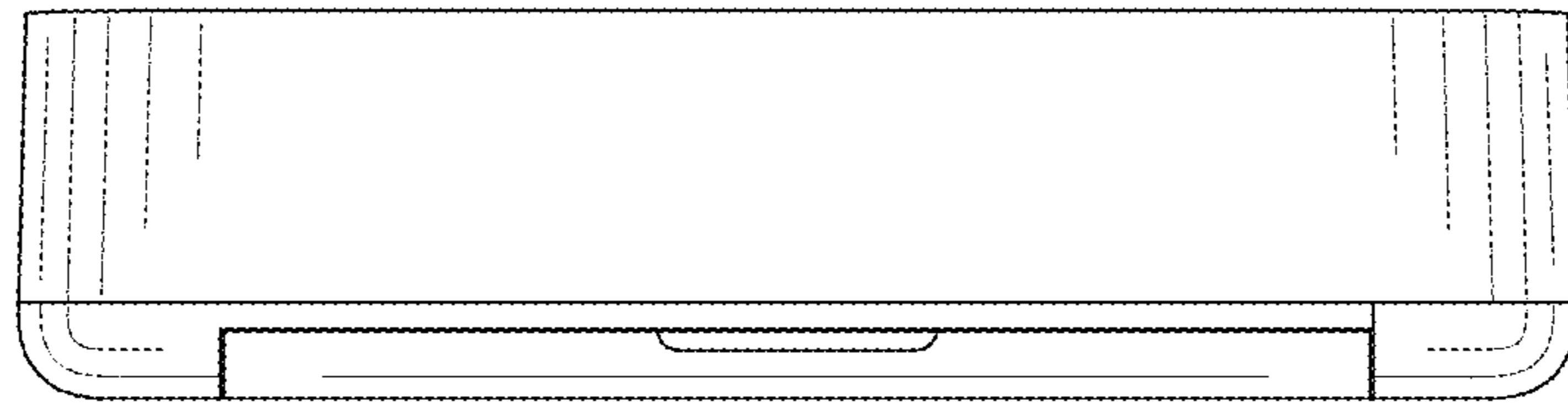


FIG. 8

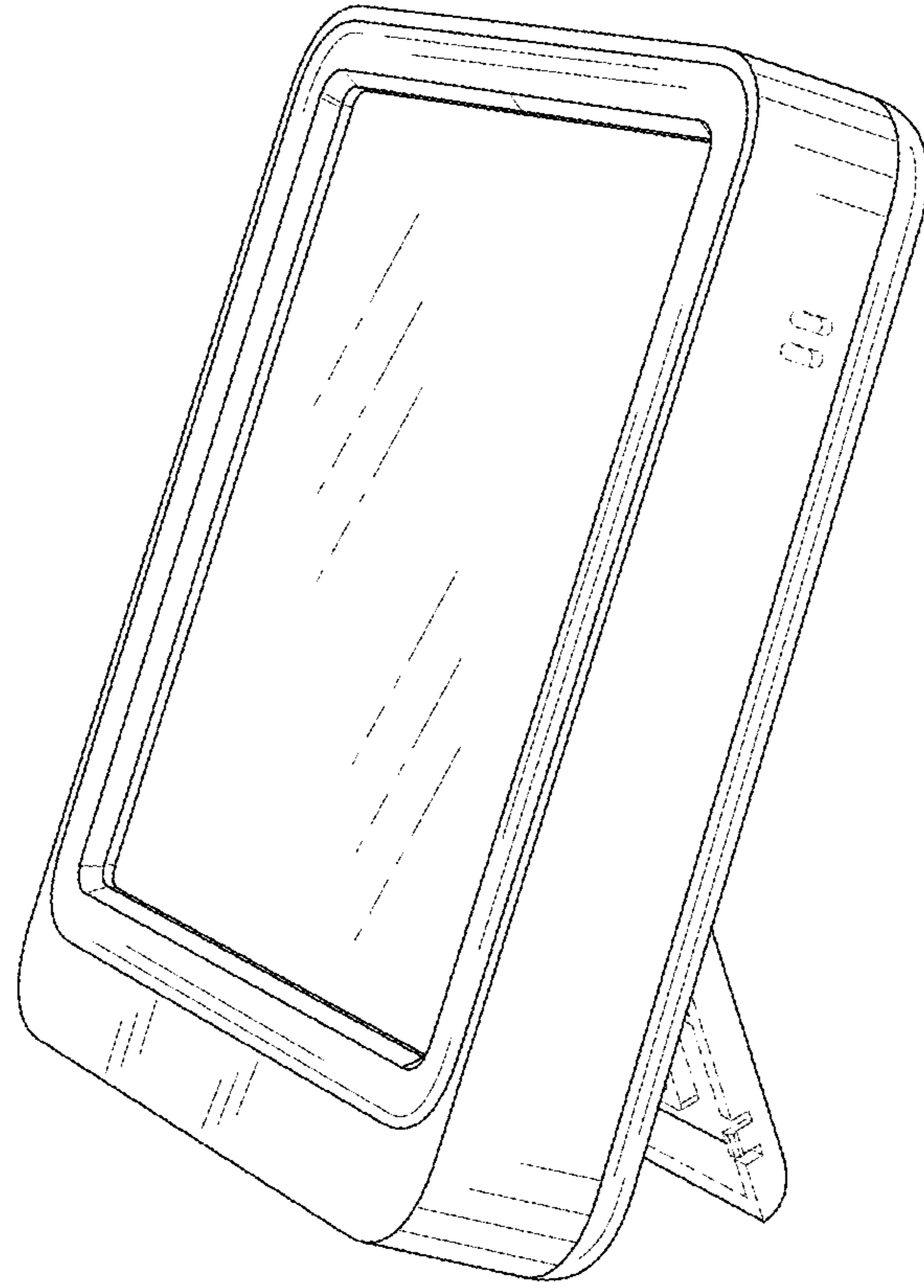


FIG. 9

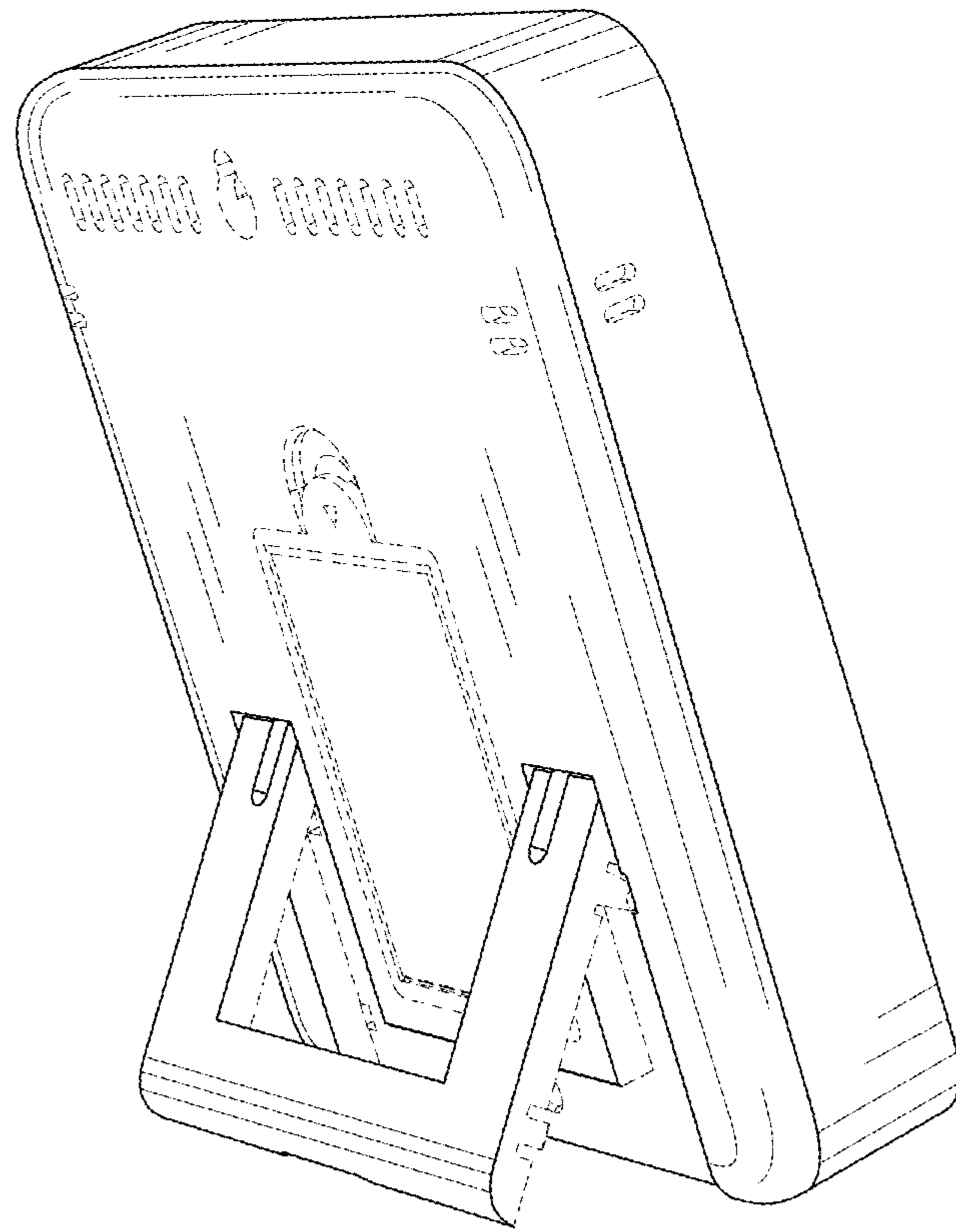


FIG. 10