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

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(45) **Date of Patent:** **\*\* Feb. 23, 2016**

(54) **HUMIDITY AND FAN CONTROL PIR  
OCCUPANCY SENSOR**

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(57) **CLAIM**  
The ornamental design for a humidity and fan control PIR  
occupancy sensor, as shown and described.

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Zhejiang (CN)

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**DESCRIPTION**

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

FIG. 1 is a front perspective view of a first embodiment of a  
humidity and fan control PIR occupancy sensor;  
FIG. 2 is a rear perspective view of the humidity and fan  
control PIR occupancy sensor of FIG. 1;  
FIG. 3 is a front plan view of the humidity and fan control PIR  
occupancy sensor of FIG. 1;  
FIG. 4 is a left side plan view of the humidity and fan control  
PIR occupancy sensor of FIG. 1;  
FIG. 5 is a right side plan view of the humidity and fan control  
PIR occupancy sensor of FIG. 1;  
FIG. 6 is a top view of the humidity and fan control PIR  
occupancy sensor of FIG. 1;  
FIG. 7 is bottom view of the humidity and fan control PIR  
occupancy sensor of FIG. 1;  
FIG. 8 is a back plan view of the humidity and fan control PIR  
occupancy sensor of FIG. 1;  
FIG. 9 is a front perspective view of a second embodiment of  
a humidity and fan control PIR occupancy sensor;  
FIG. 10 is a rear perspective view of the humidity and fan  
control PIR occupancy sensor of FIG. 9.  
FIG. 11 is a front plan view of the humidity and fan control  
PIR occupancy sensor of FIG. 9;  
FIG. 12 is a left side plan view of humidity and fan control  
PIR occupancy sensor of FIG. 9;  
FIG. 13 is a right side plan view of the humidity and fan  
control PIR occupancy sensor of FIG. 9;  
FIG. 14 is a top view of the humidity and fan control PIR  
occupancy sensor of FIG. 9;  
FIG. 15 is bottom view of the humidity and fan control PIR  
occupancy sensor of FIG. 9;  
FIG. 16 is a back plan view of the humidity and fan control  
PIR occupancy sensor of FIG. 9;  
FIG. 17 is a perspective view of a third embodiment of a  
humidity and fan control PIR occupancy sensor;

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

(52) **U.S. Cl.**  
USPC ..... **D10/49; D10/50; D10/70**

(58) **Field of Classification Search**  
USPC ..... D10/49–50, 70  
CPC ..... G01V 8/20; G08B 13/1645; G08B 13/16;  
G08B 13/1609; G08B 13/1627; G08B  
13/1618; G08B 13/1636; G08B 13/1654;  
G08B 13/1663; G08B 13/1672; G08B  
13/1681; G08B 13/16169; G08B 13/181;  
G08B 13/183; G08B 13/184

See application file for complete search history.

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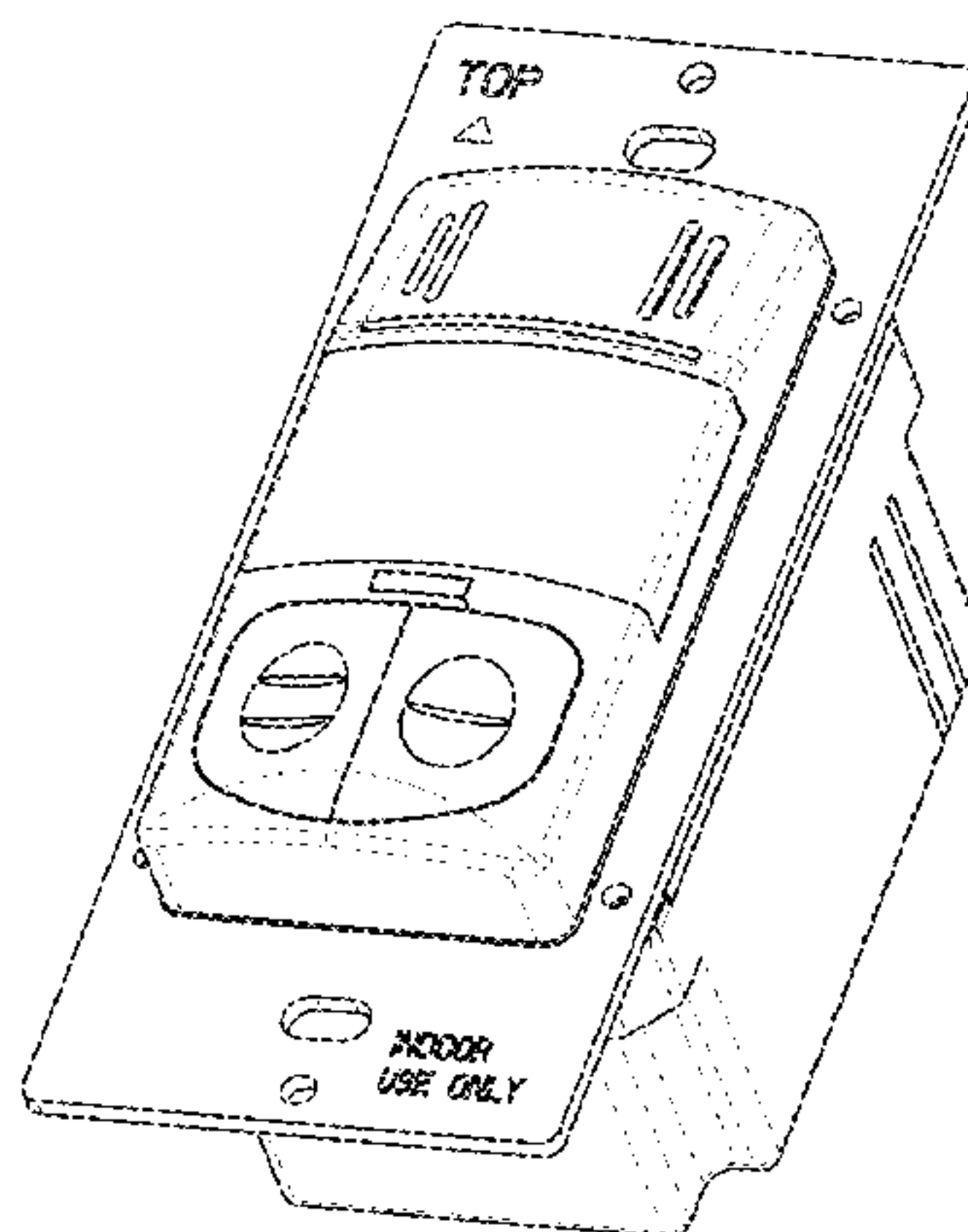


FIG. 18 is a rear perspective view of the humidity and fan control PIR occupancy sensor of FIG. 17.

FIG. 19 is a front plan view of the humidity and fan control PIR occupancy sensor of FIG. 17;

FIG. 20 is a left side plan view of the humidity and fan control PIR occupancy sensor of FIG. 17;

FIG. 21 is a right side plan view of the humidity and fan control PIR occupancy sensor of FIG. 17;

FIG. 22 is a top view of the humidity and fan control PIR occupancy sensor of FIG. 18,

FIG. 23 is bottom view of the humidity and fan control PIR occupancy sensor of FIG. 17;

FIG. 24 is a back plan view of the humidity and fan control PIR occupancy sensor of FIG. 17;

FIG. 25 is a perspective view of a fourth embodiment of a USB Multiport Charging Station;

FIG. 26 is a rear perspective view of the humidity and fan control PIR occupancy sensor of FIG. 25.

FIG. 27 is a front plan view of the humidity and fan control PIR occupancy sensor of FIG. 25;

FIG. 28 is a left side plan view of the humidity and fan control PIR occupancy sensor of FIG. 25;

FIG. 29 is a right side plan view of the humidity and fan control PIR occupancy sensor of FIG. 25;

FIG. 30 is a top view of the humidity and fan control PIR occupancy sensor of FIG. 25;

FIG. 31 is bottom view of the humidity and fan control PIR occupancy sensor of FIG. 25; and,

FIG. 32 is a back plan view of the humidity and fan control PIR occupancy sensor of FIG. 25.

The broken lines are for illustrative purposes only and form no part of the claimed design.

**1 Claim, 32 Drawing Sheets**

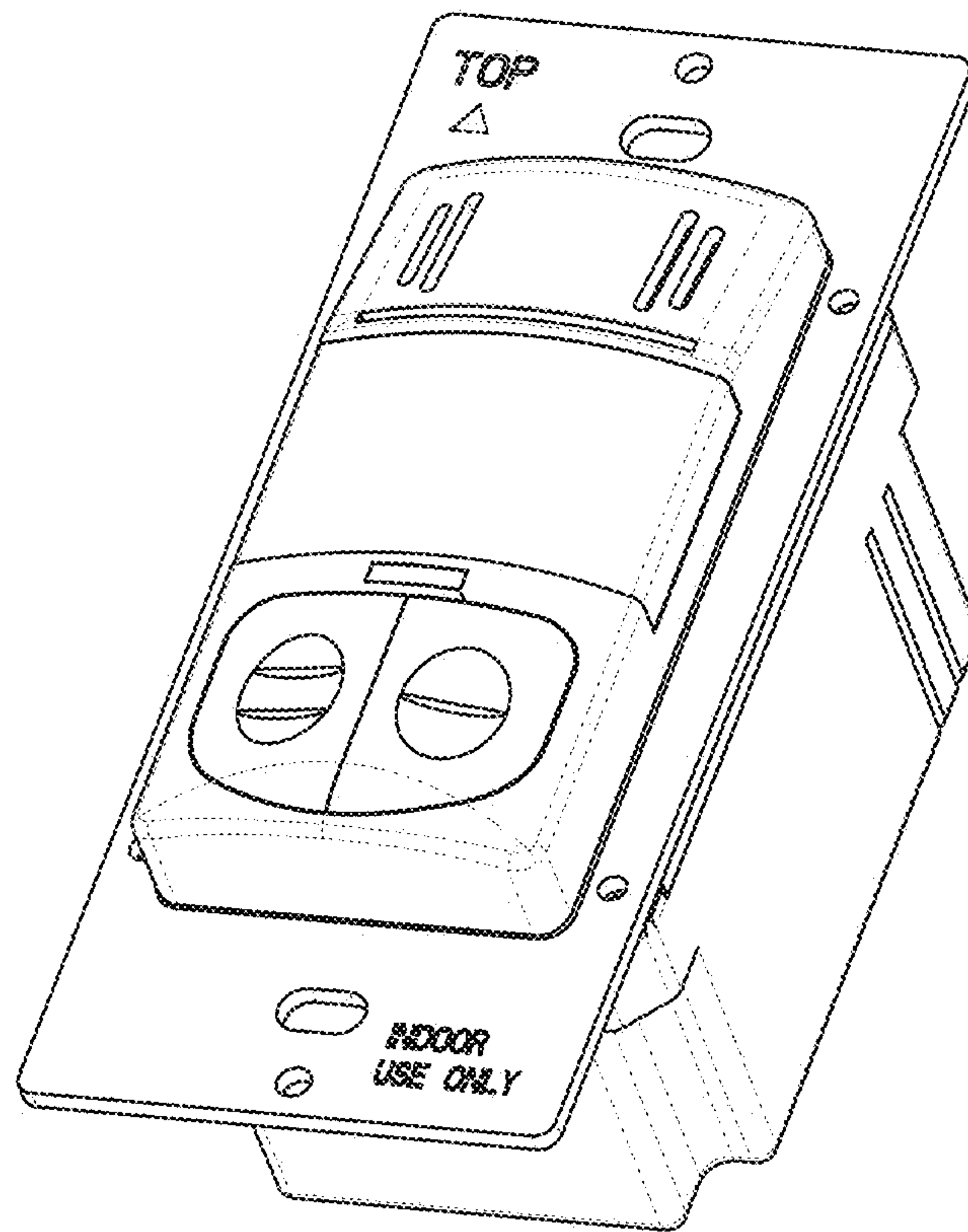


Figure 1

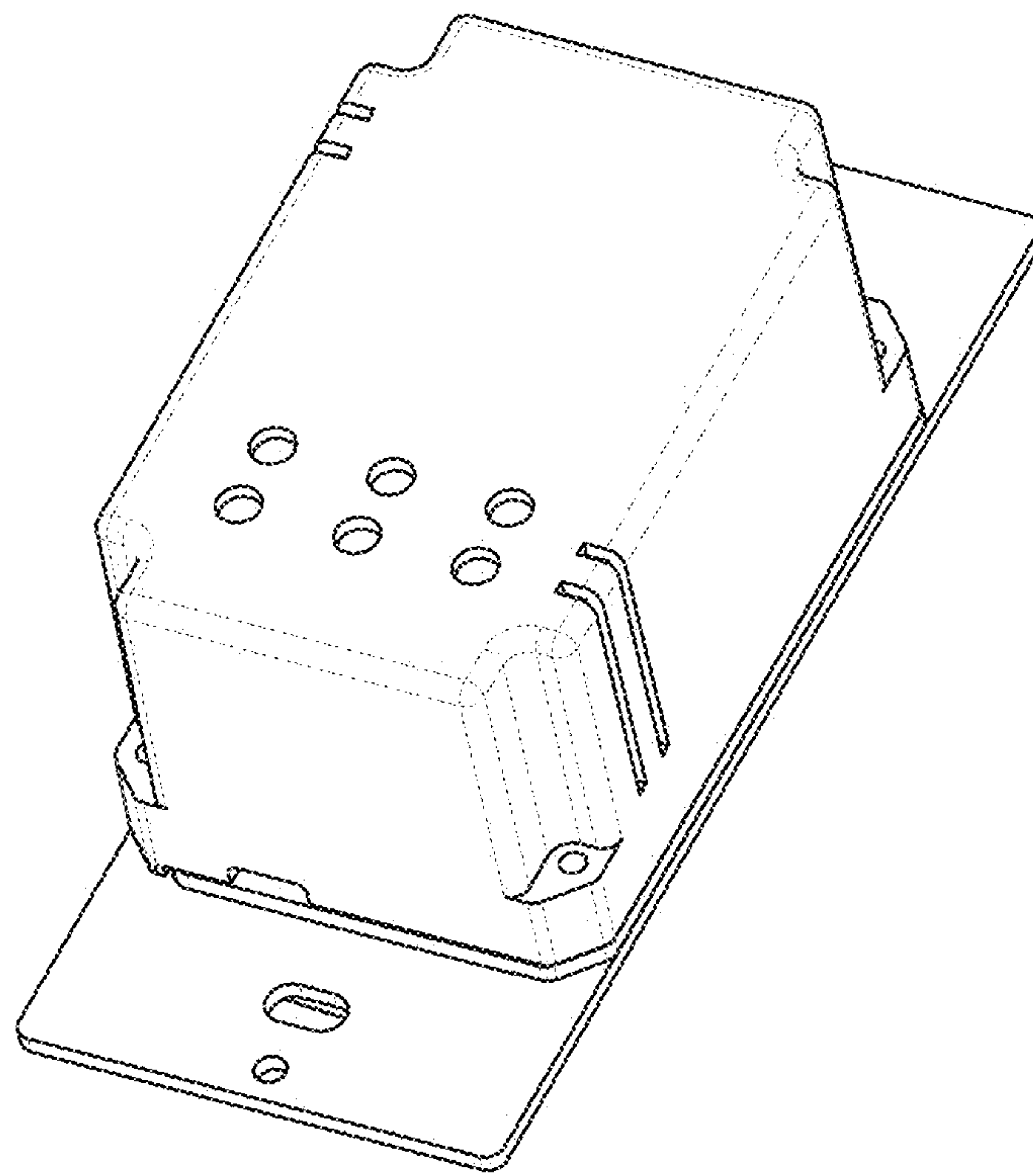


Figure 2

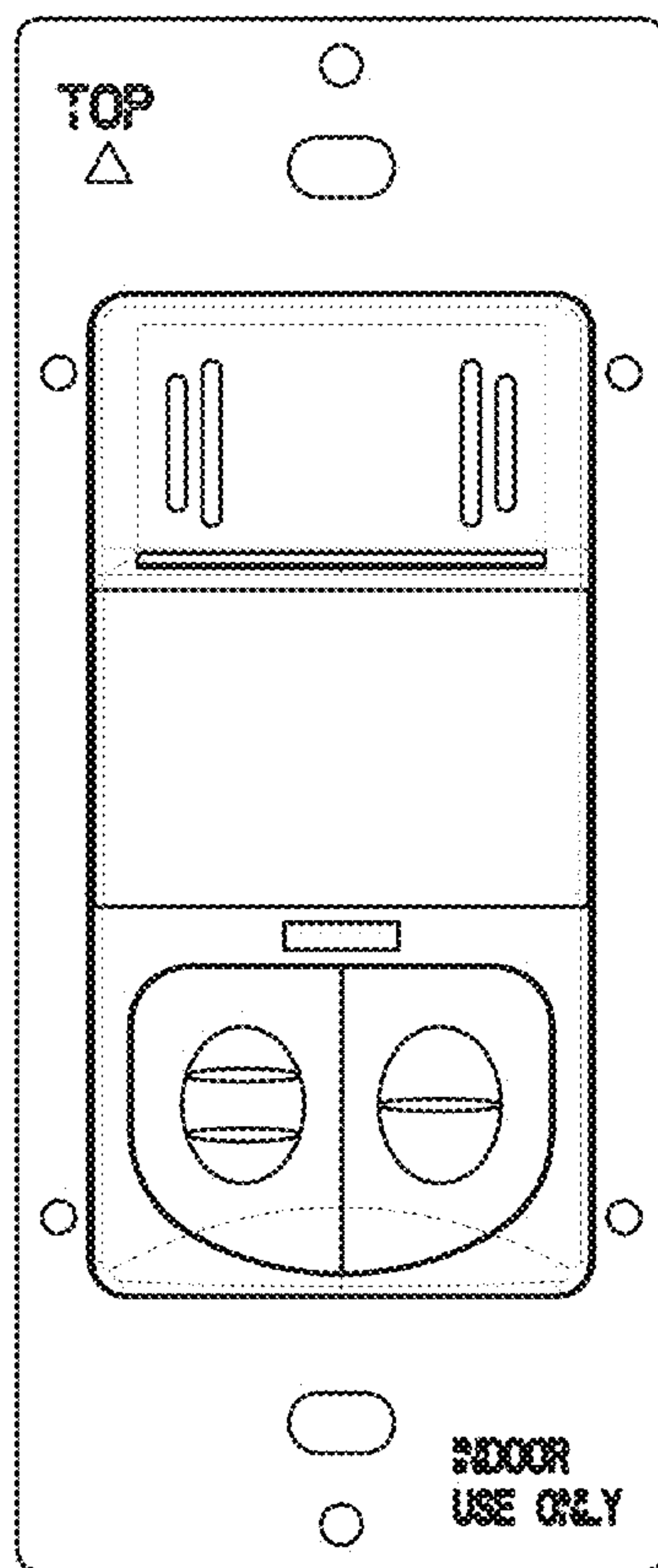


Figure 3



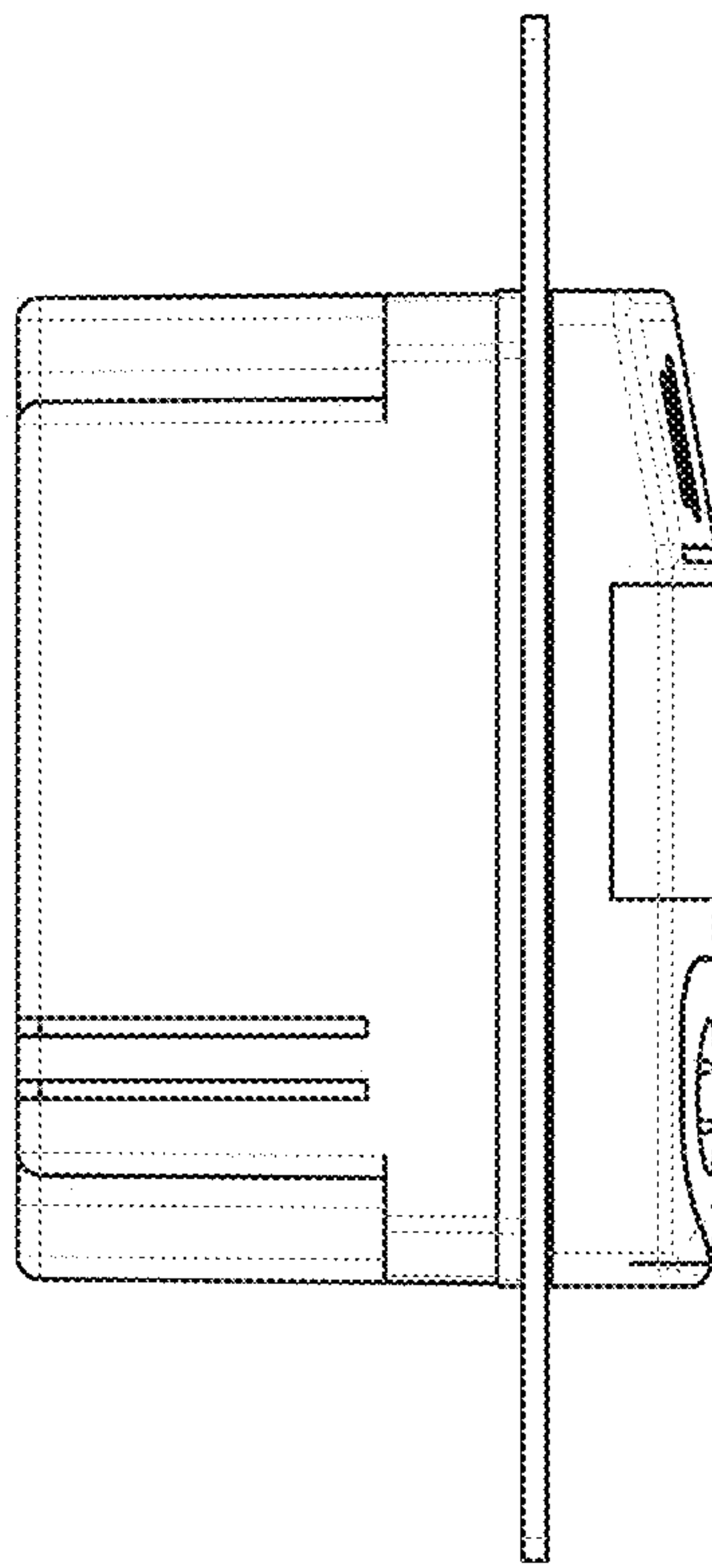


Figure 4

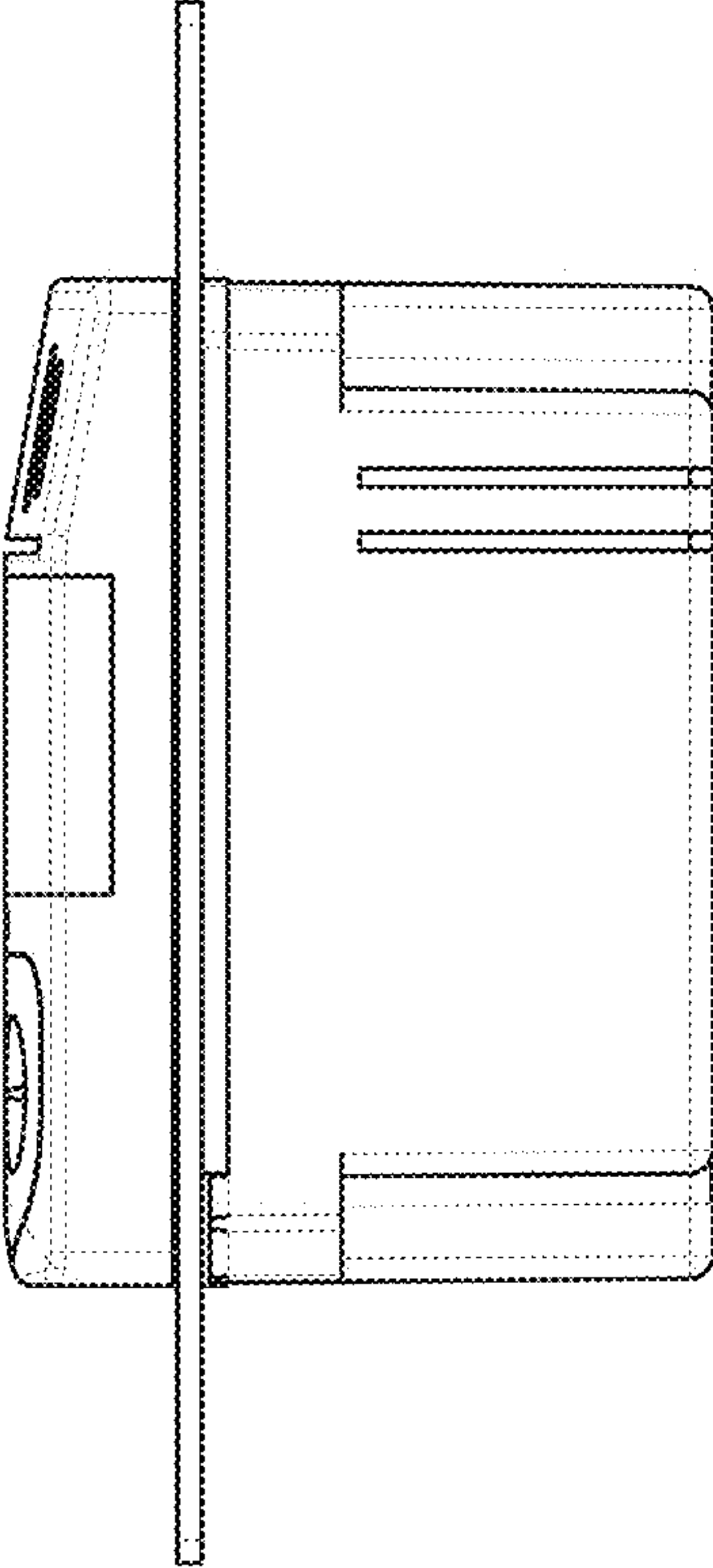


Figure 5

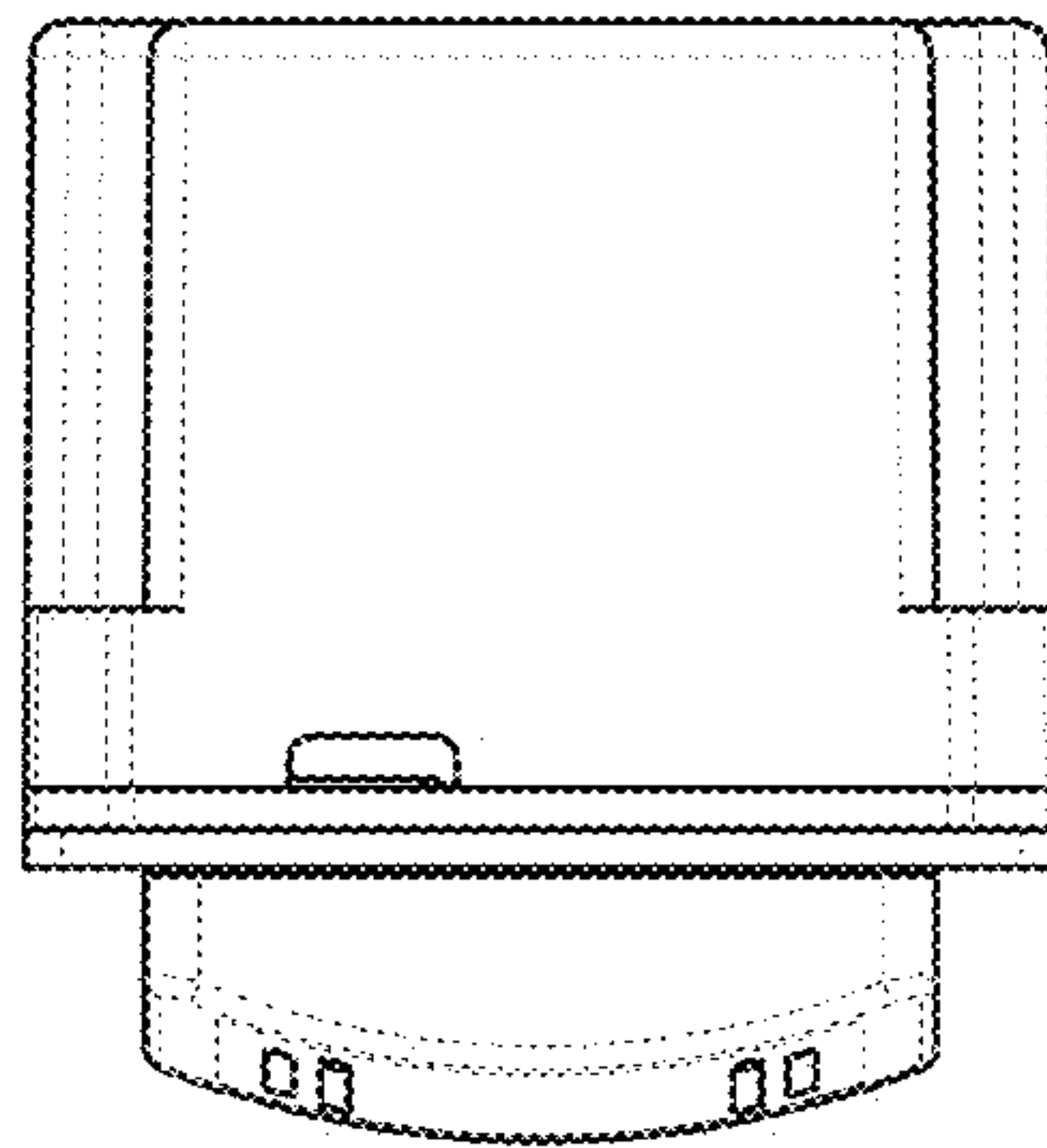


Figure 6



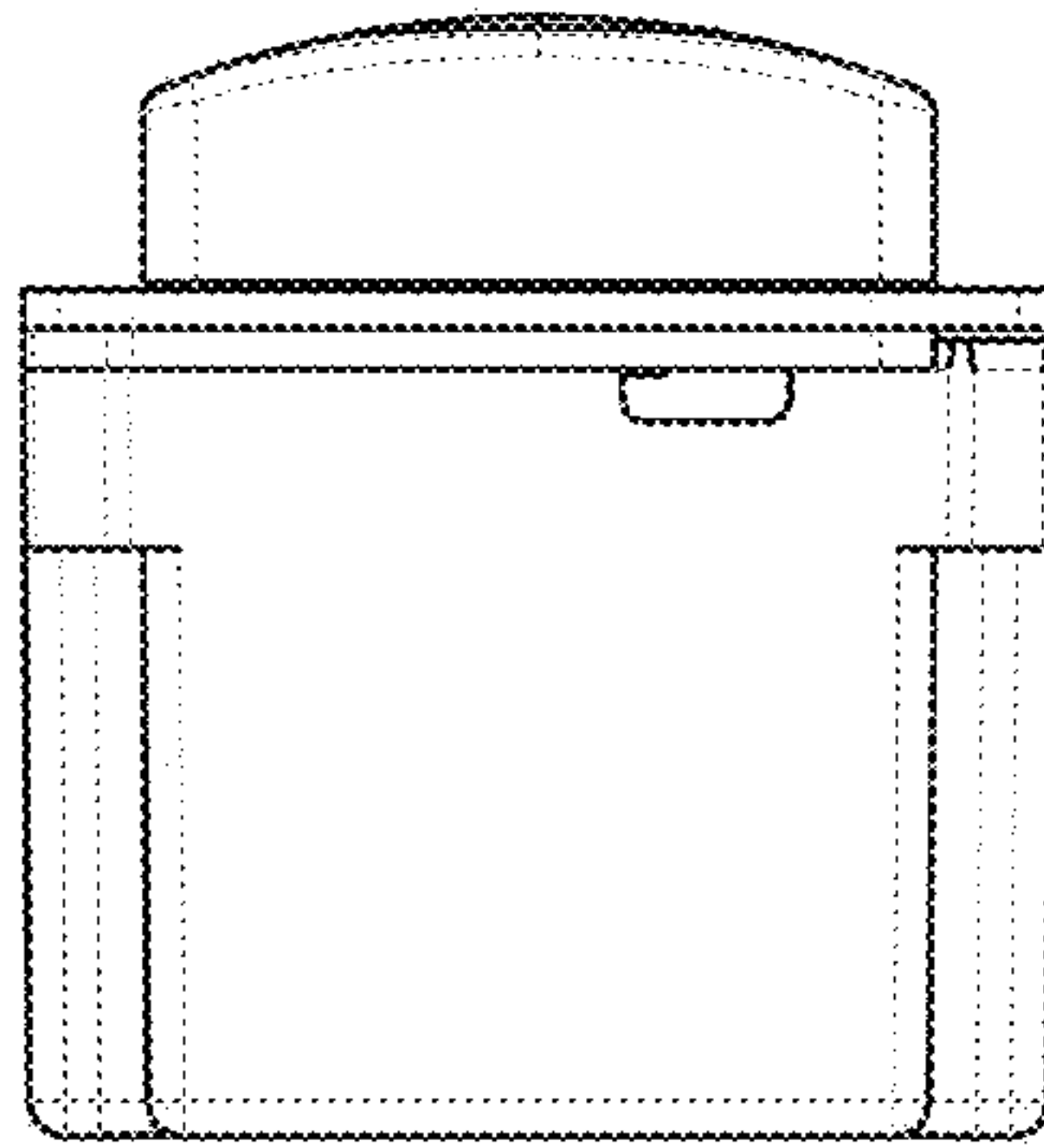


Figure 7

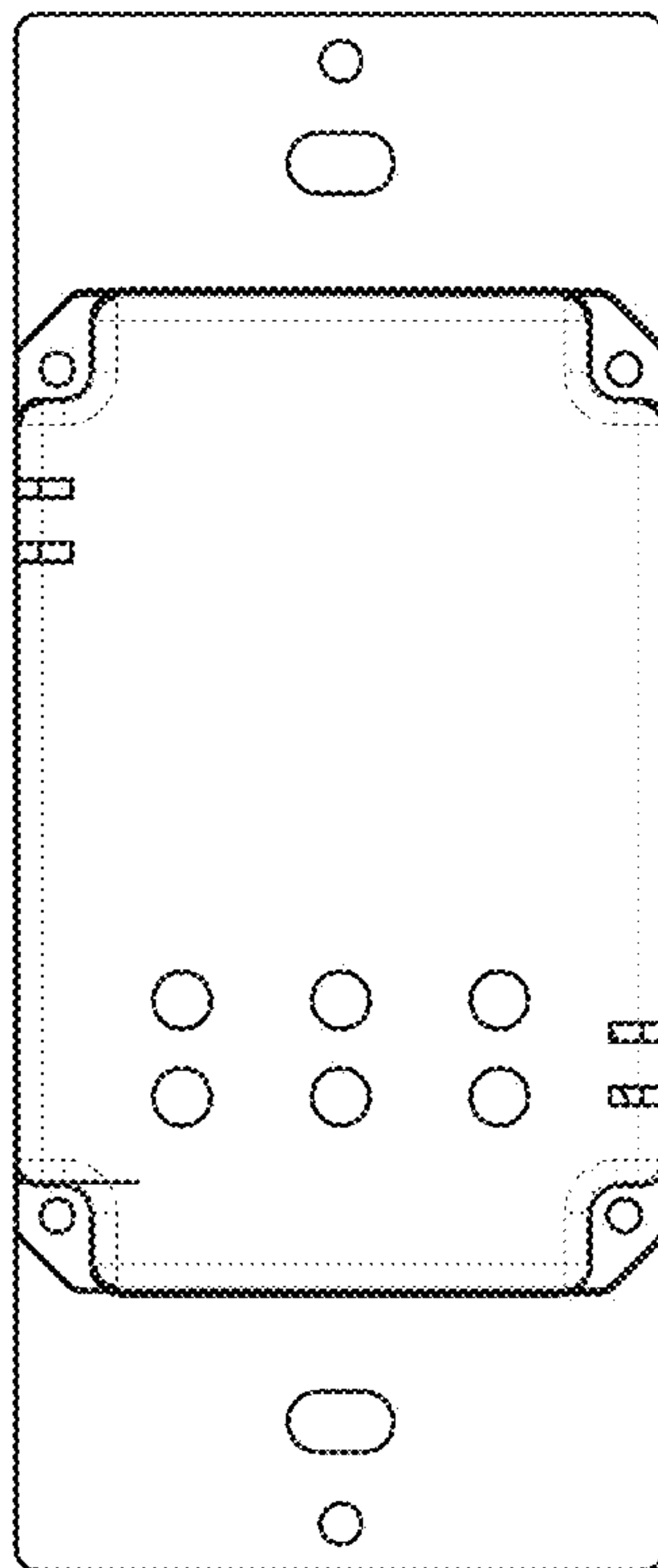


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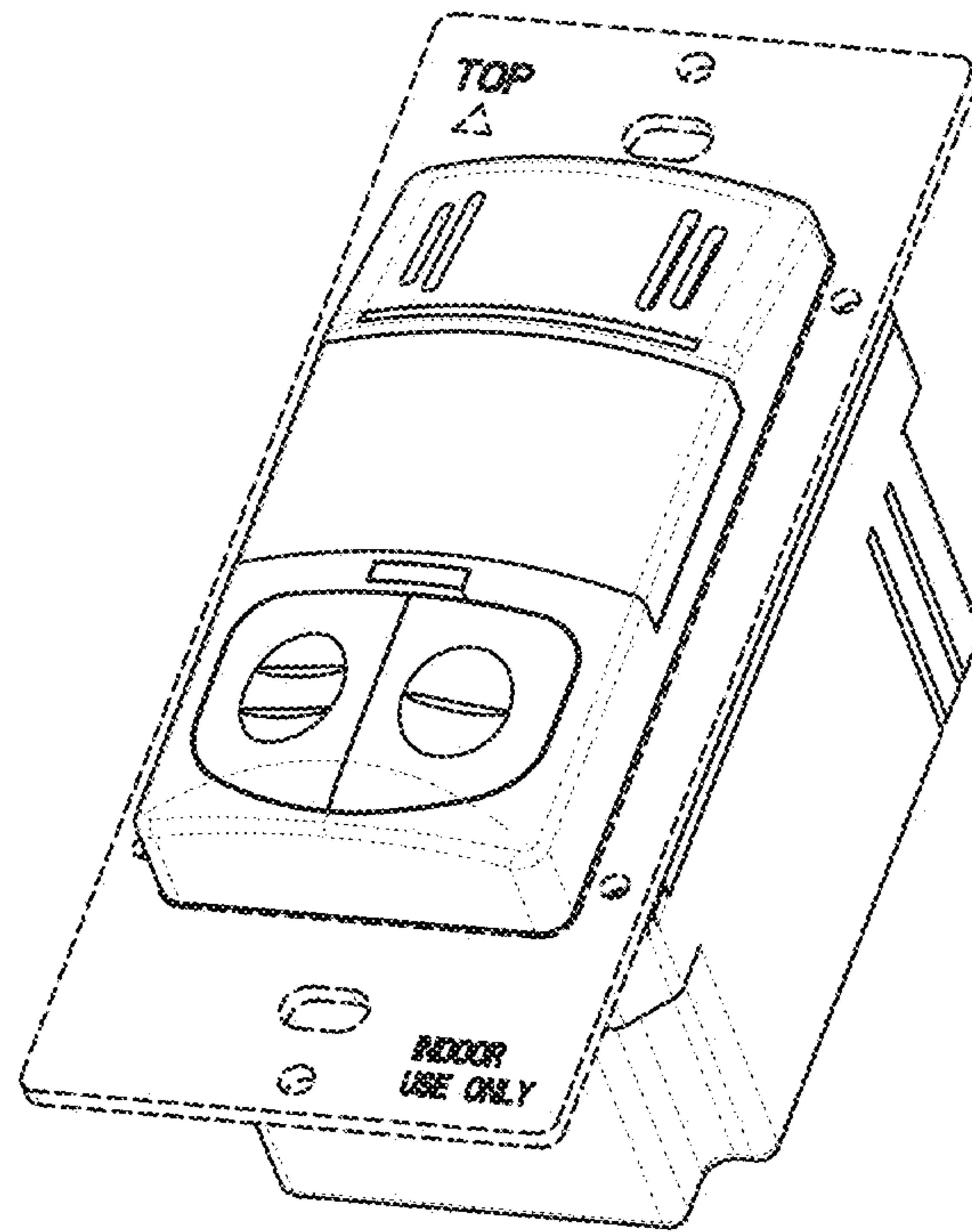


Figure 9

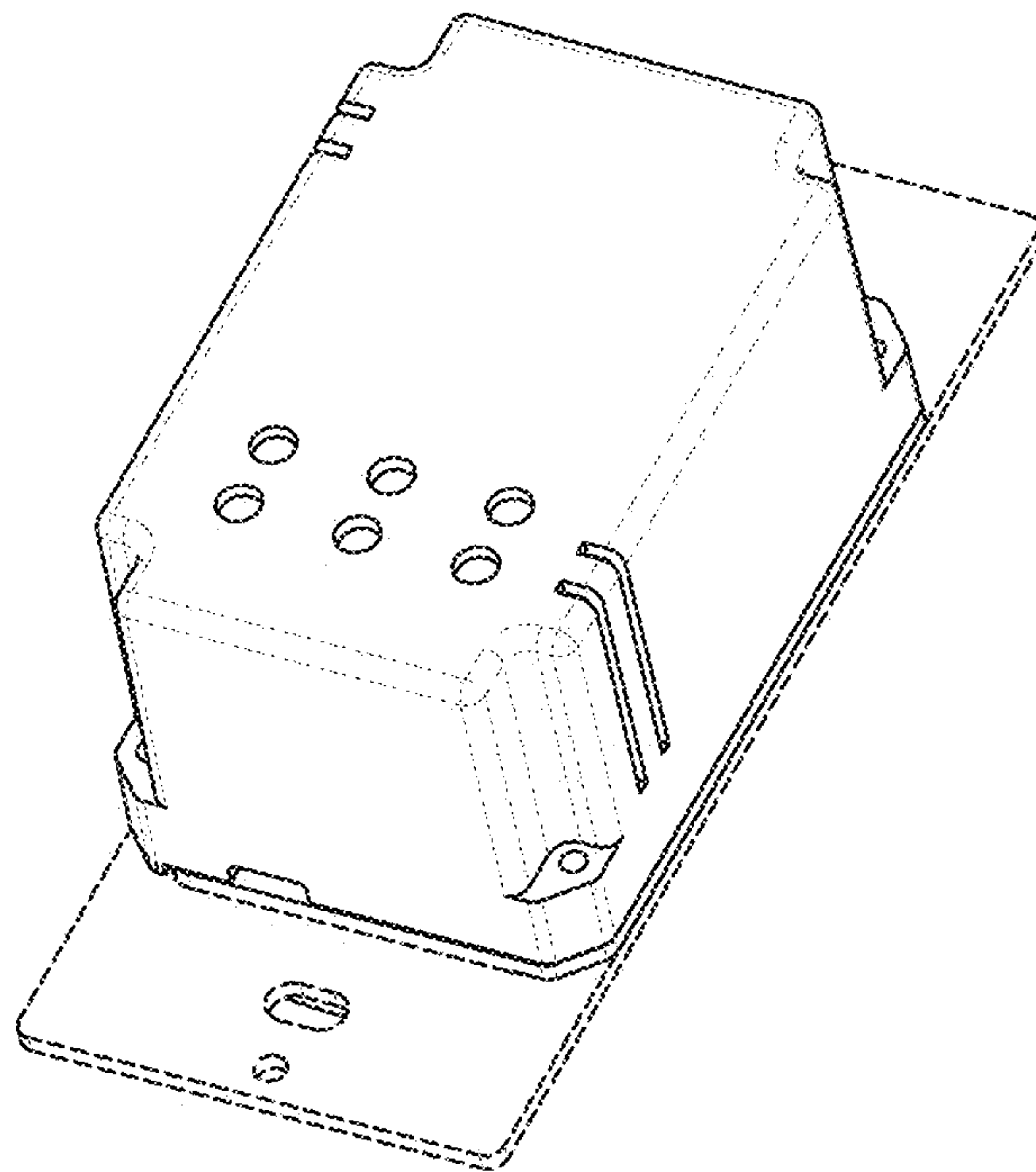


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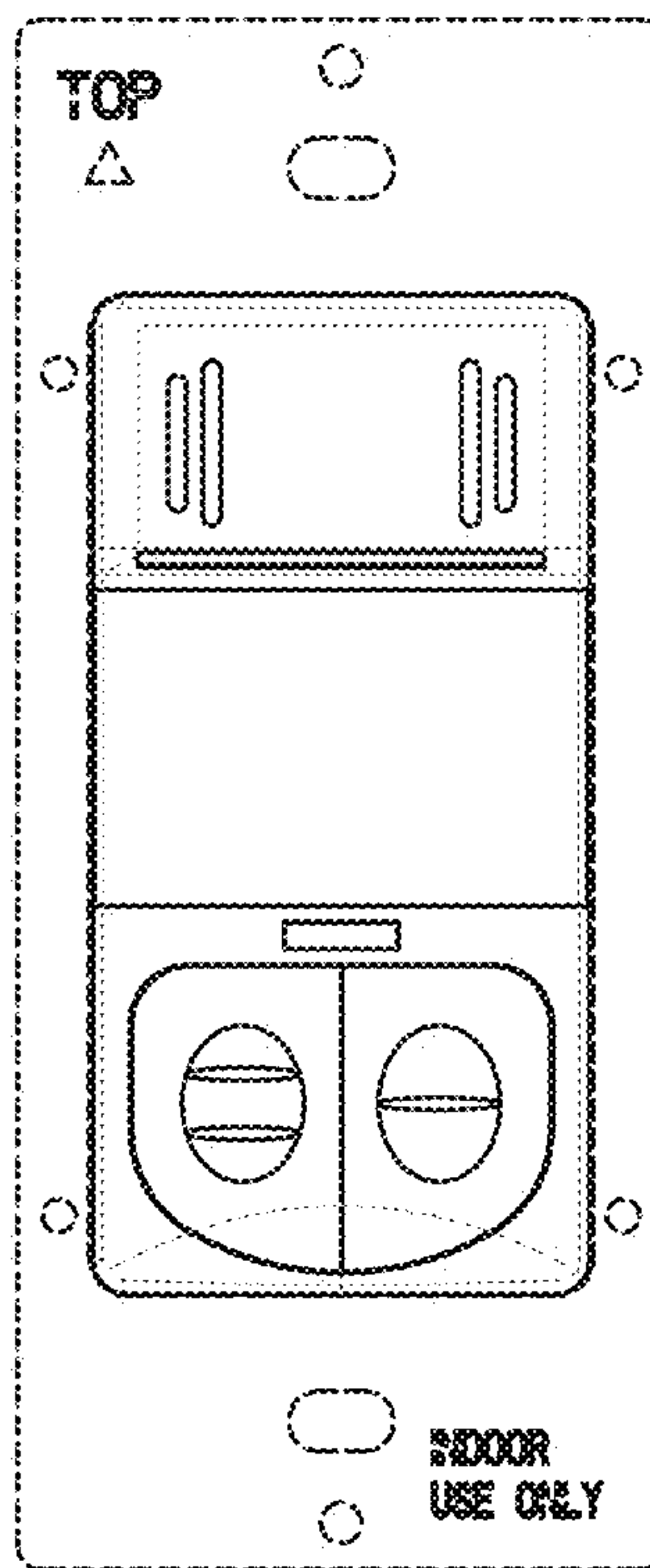


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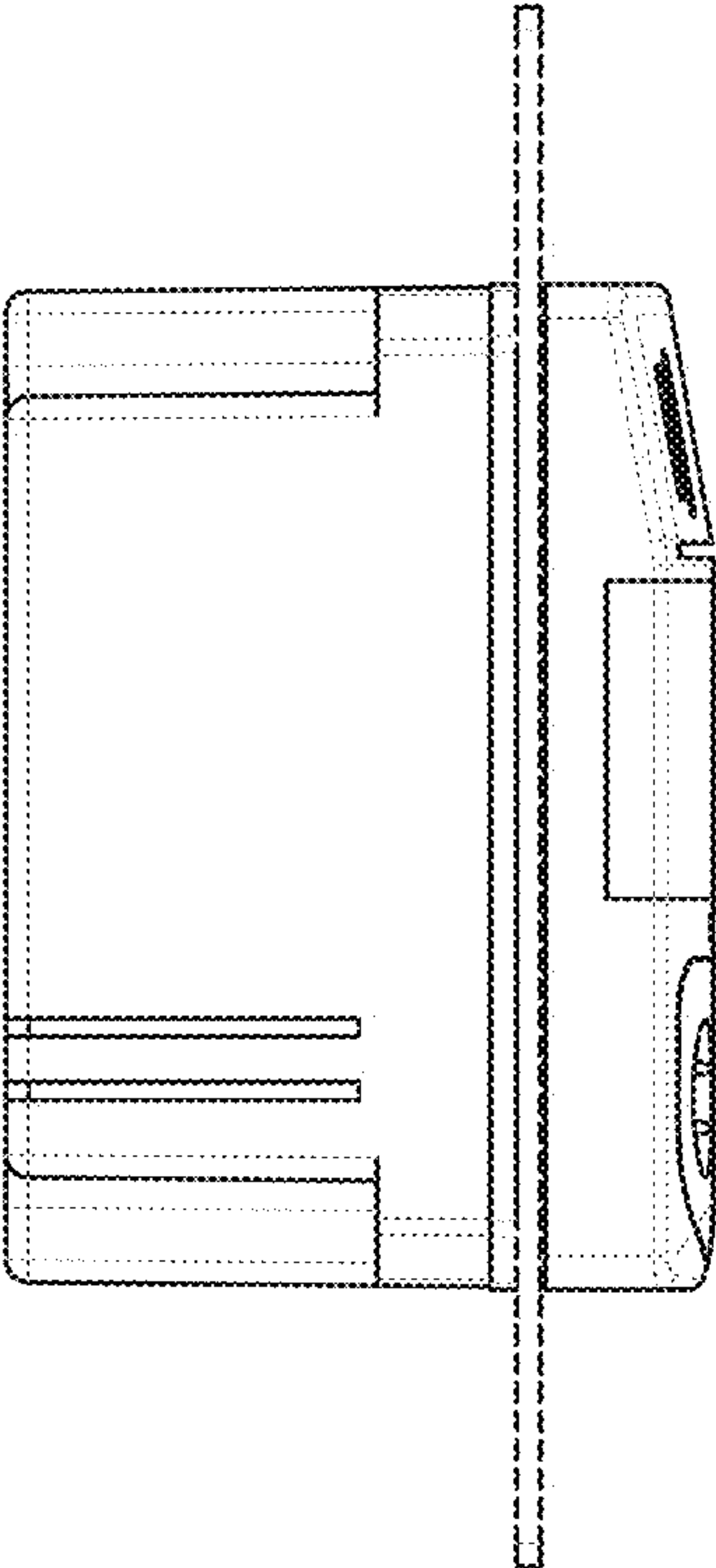


Figure 12



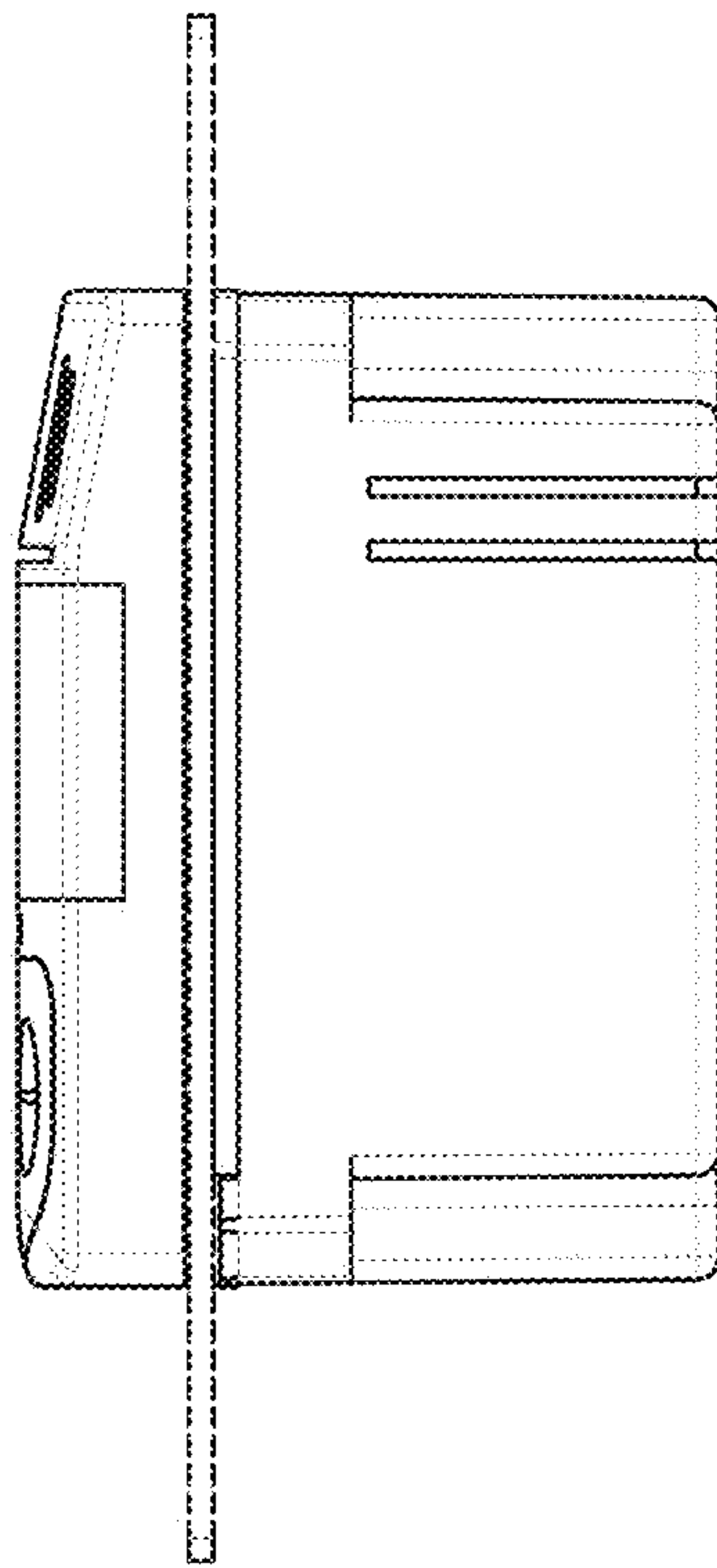


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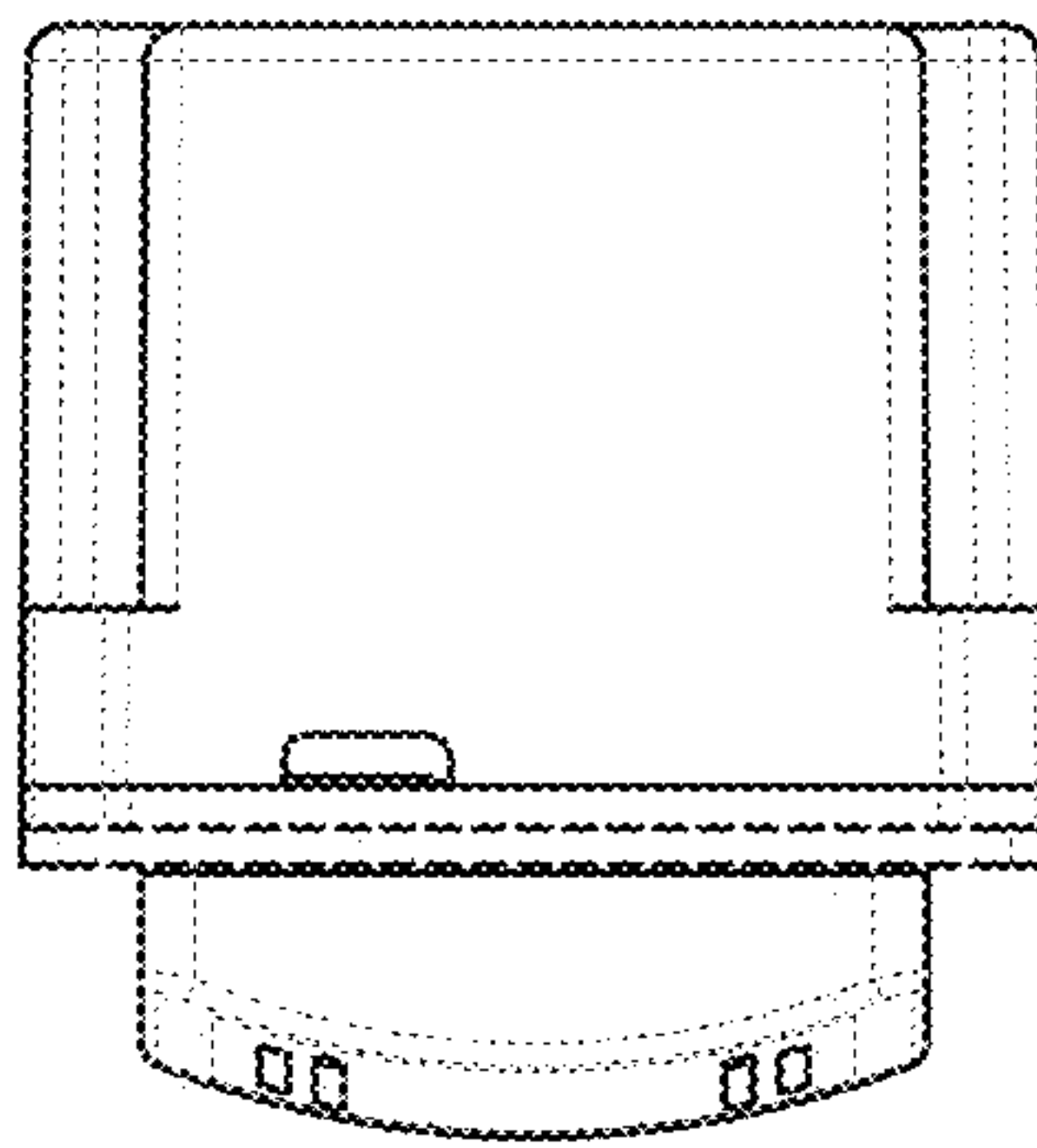


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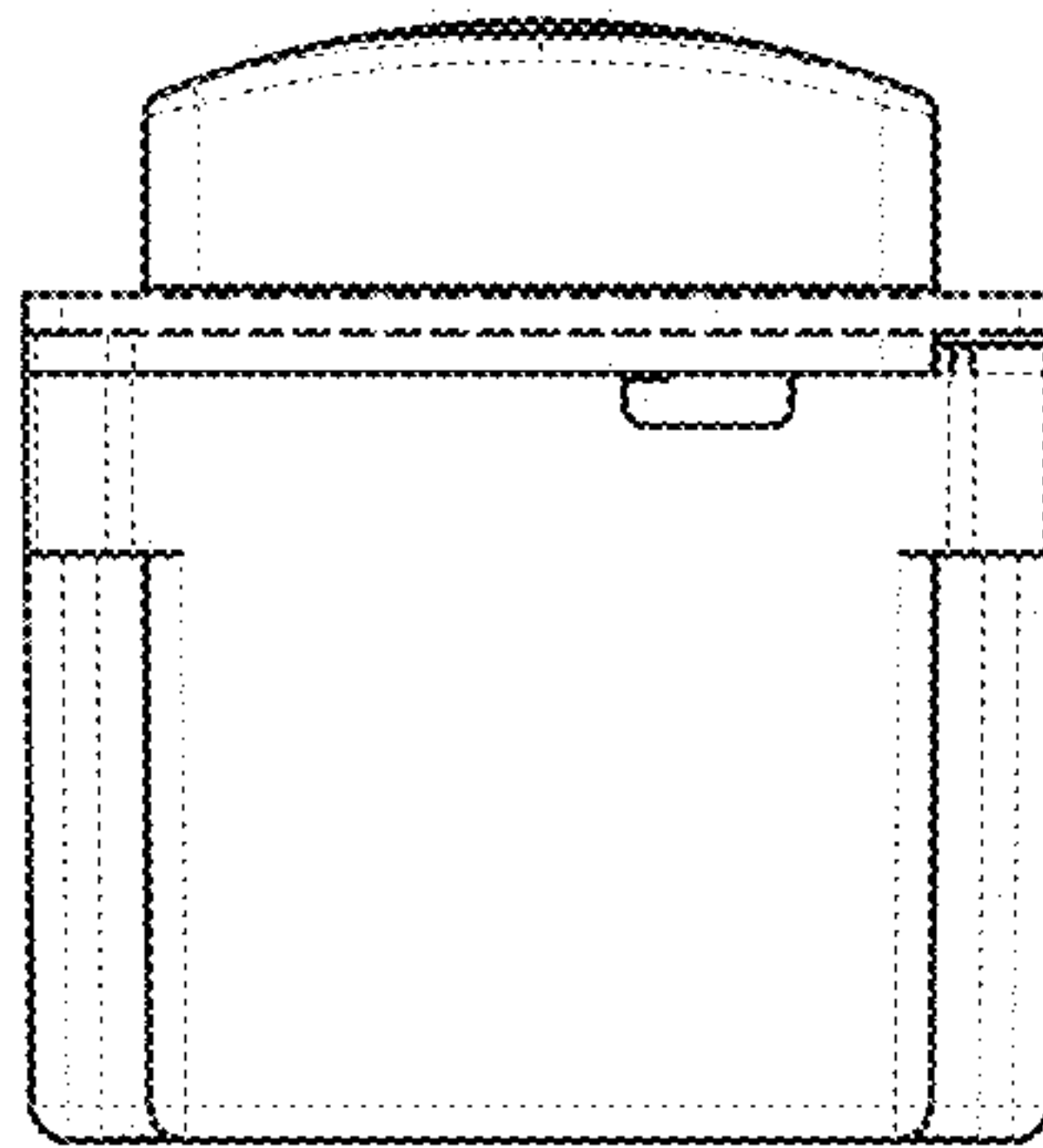


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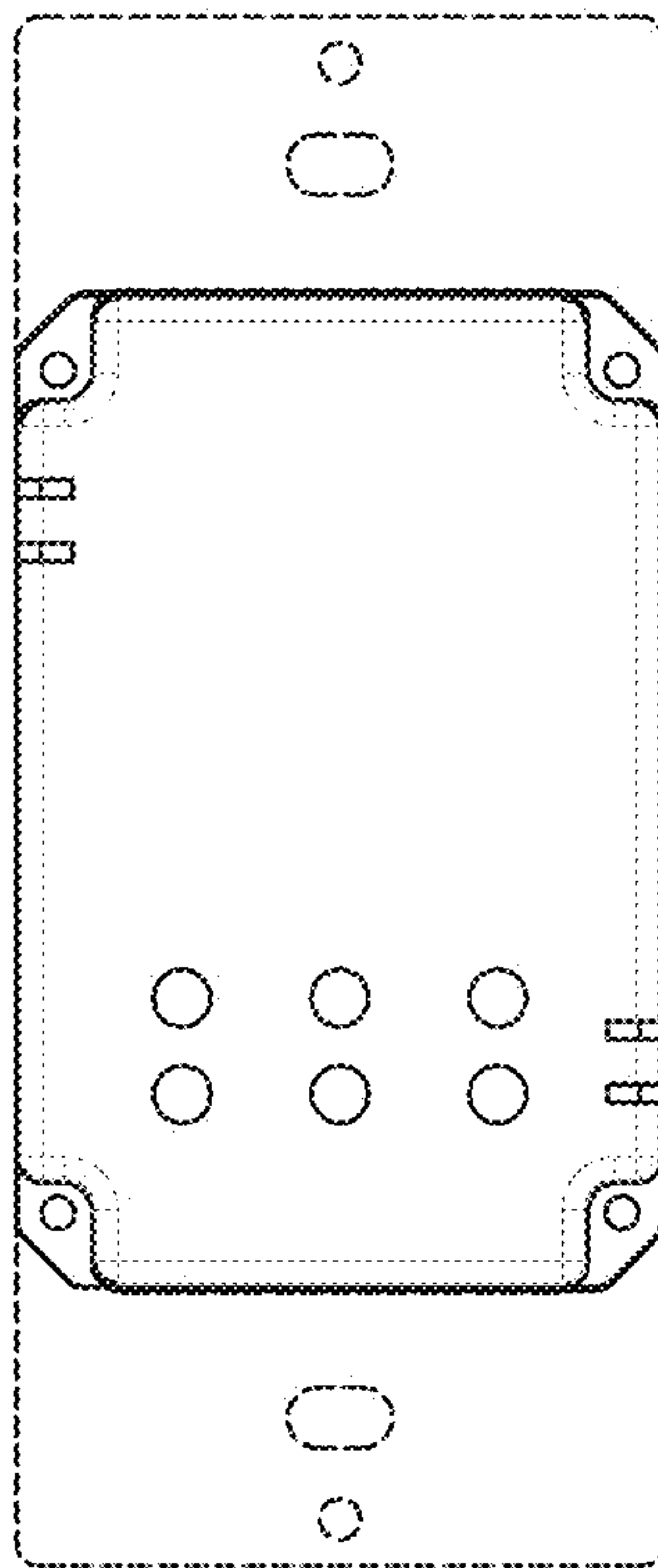


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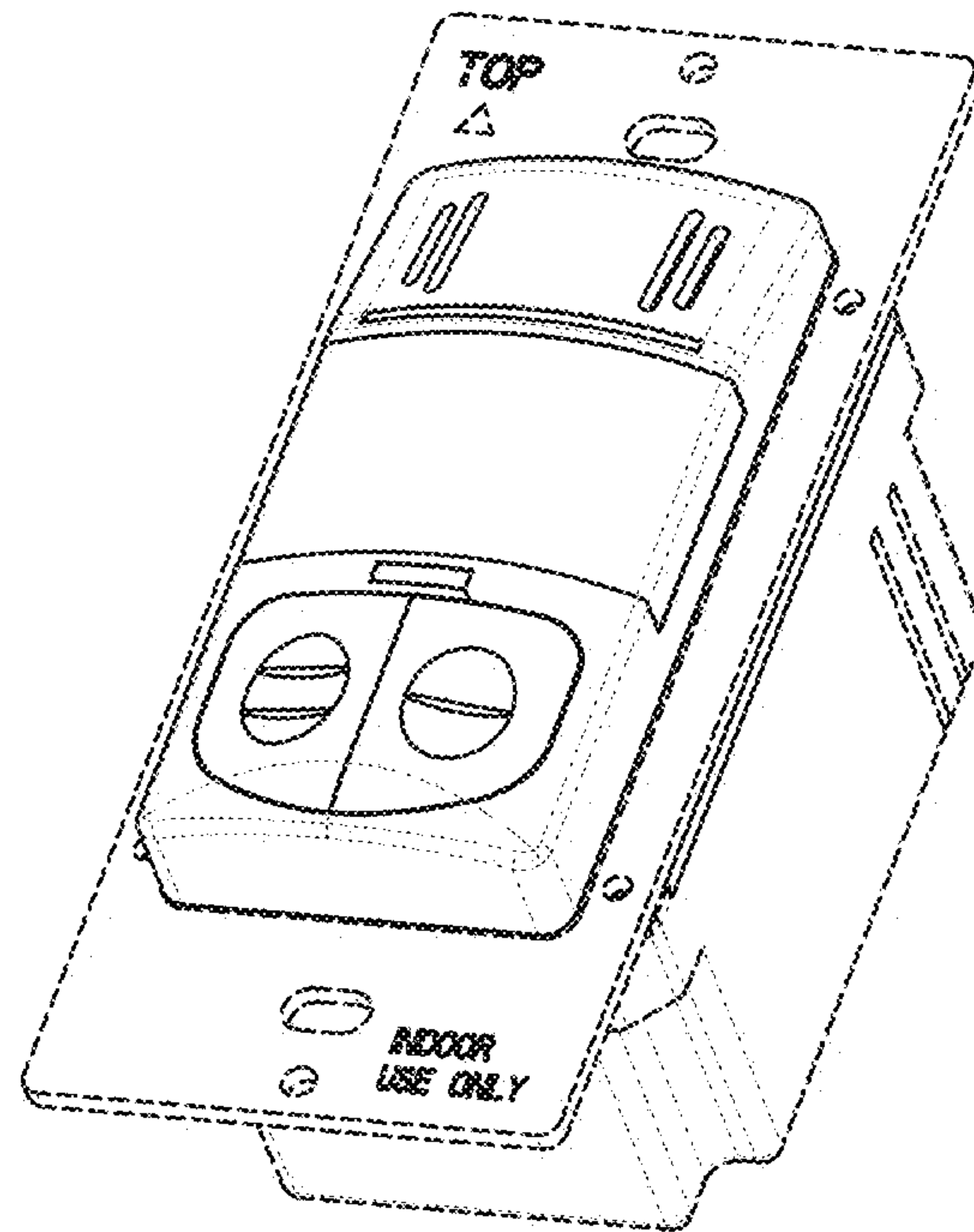


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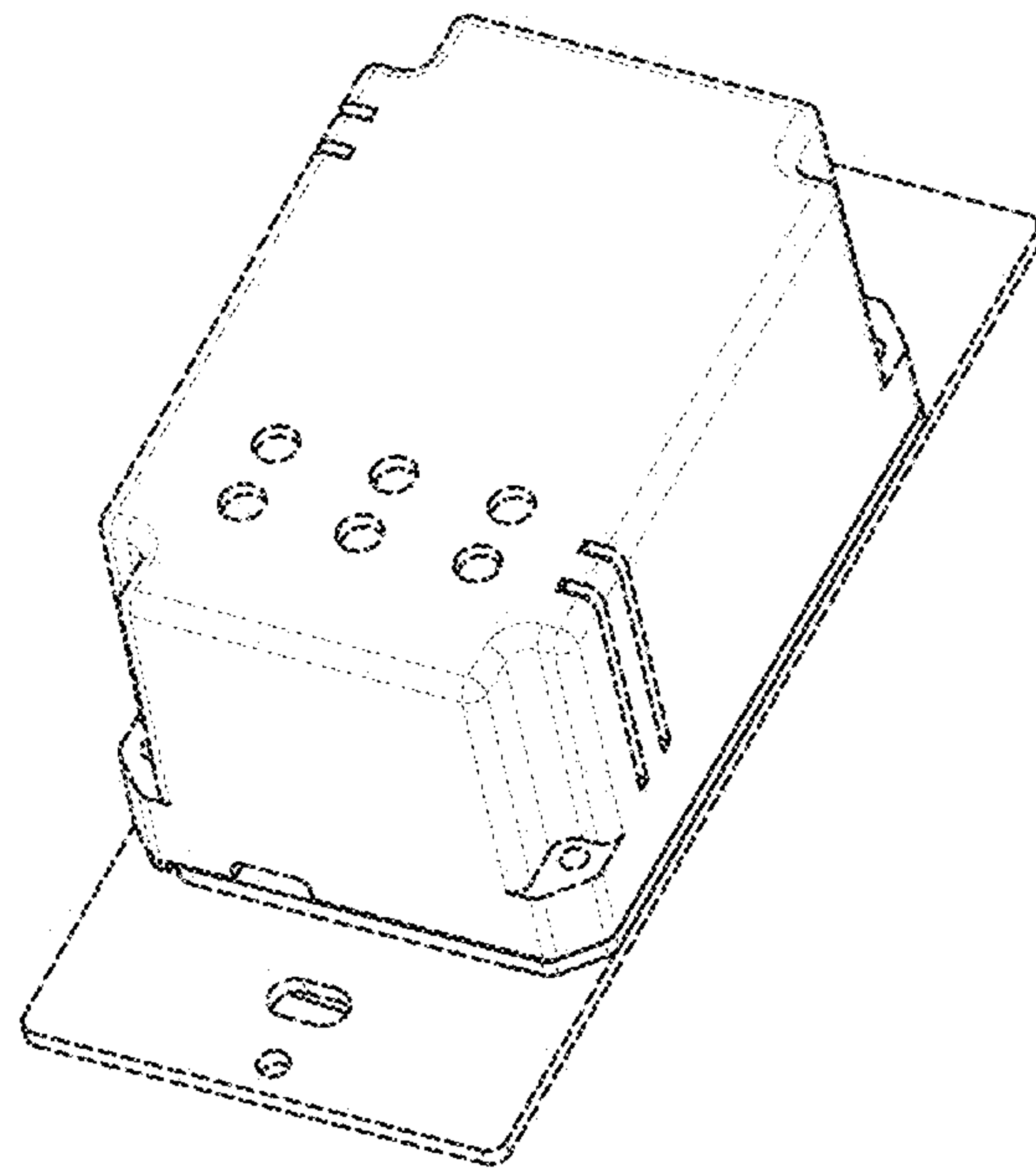


Figure 18



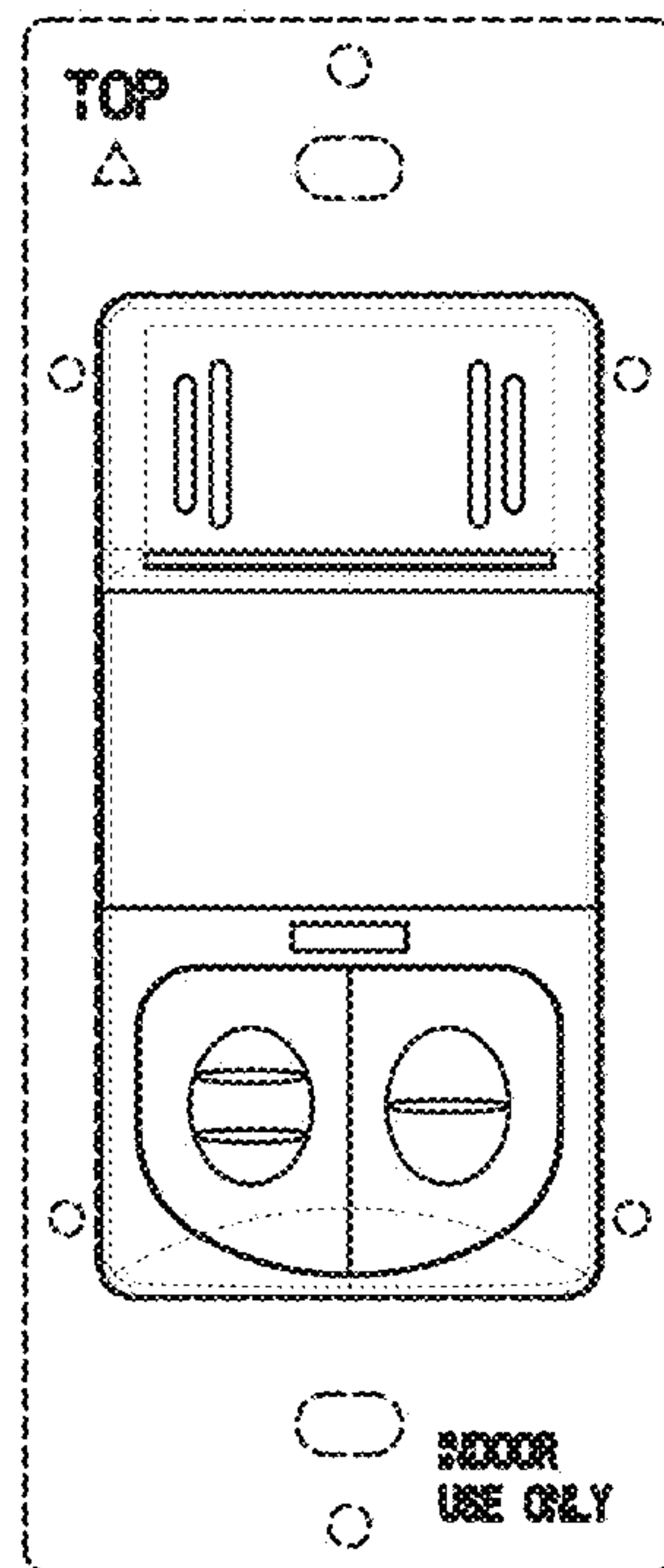


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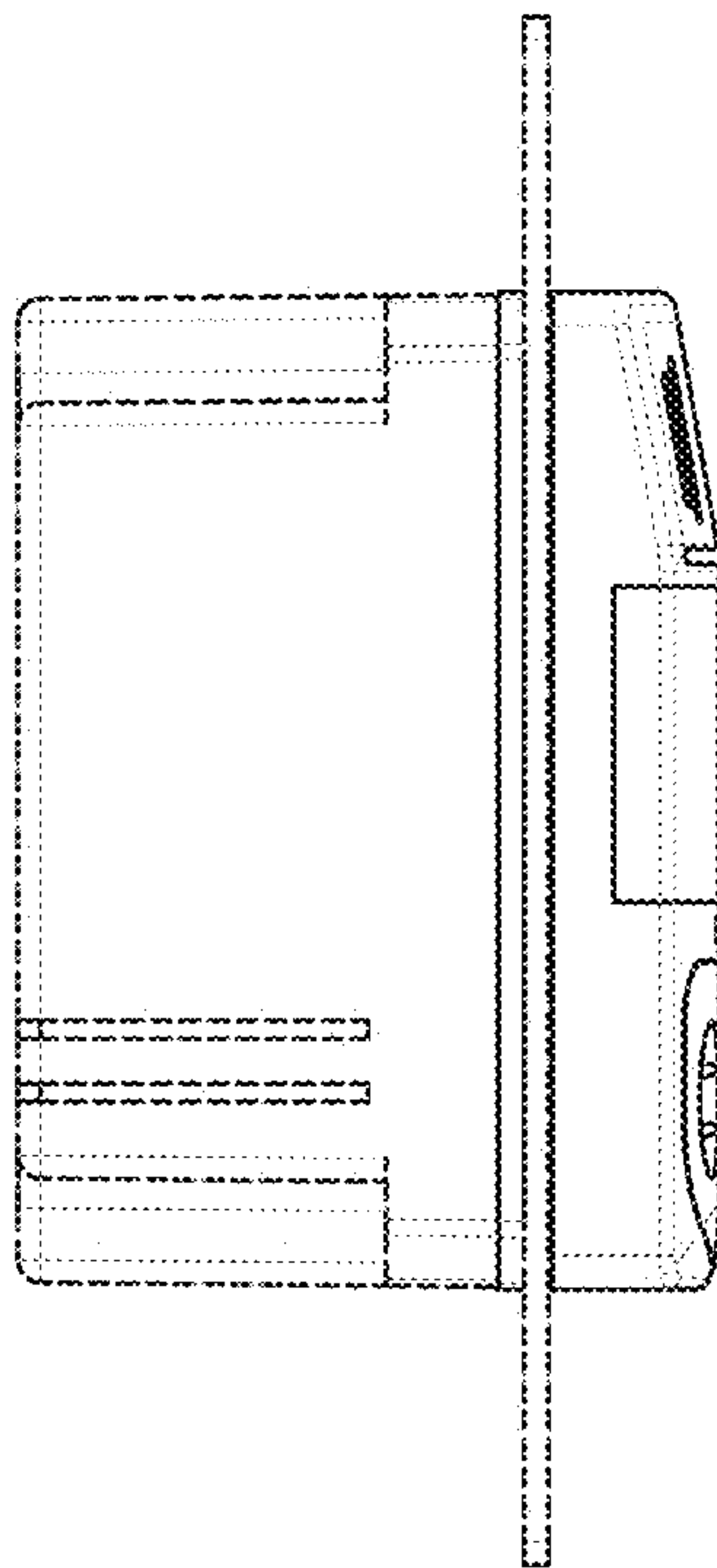


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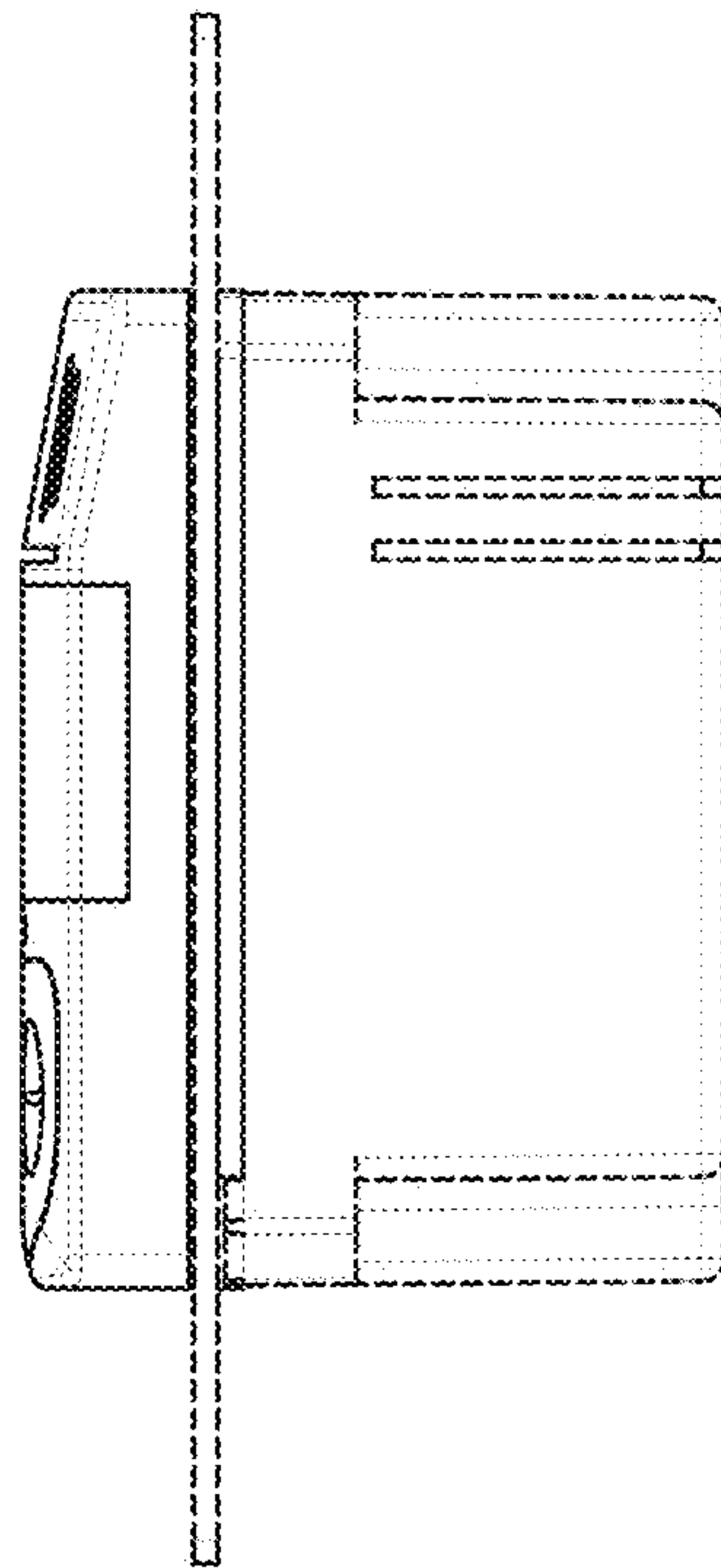


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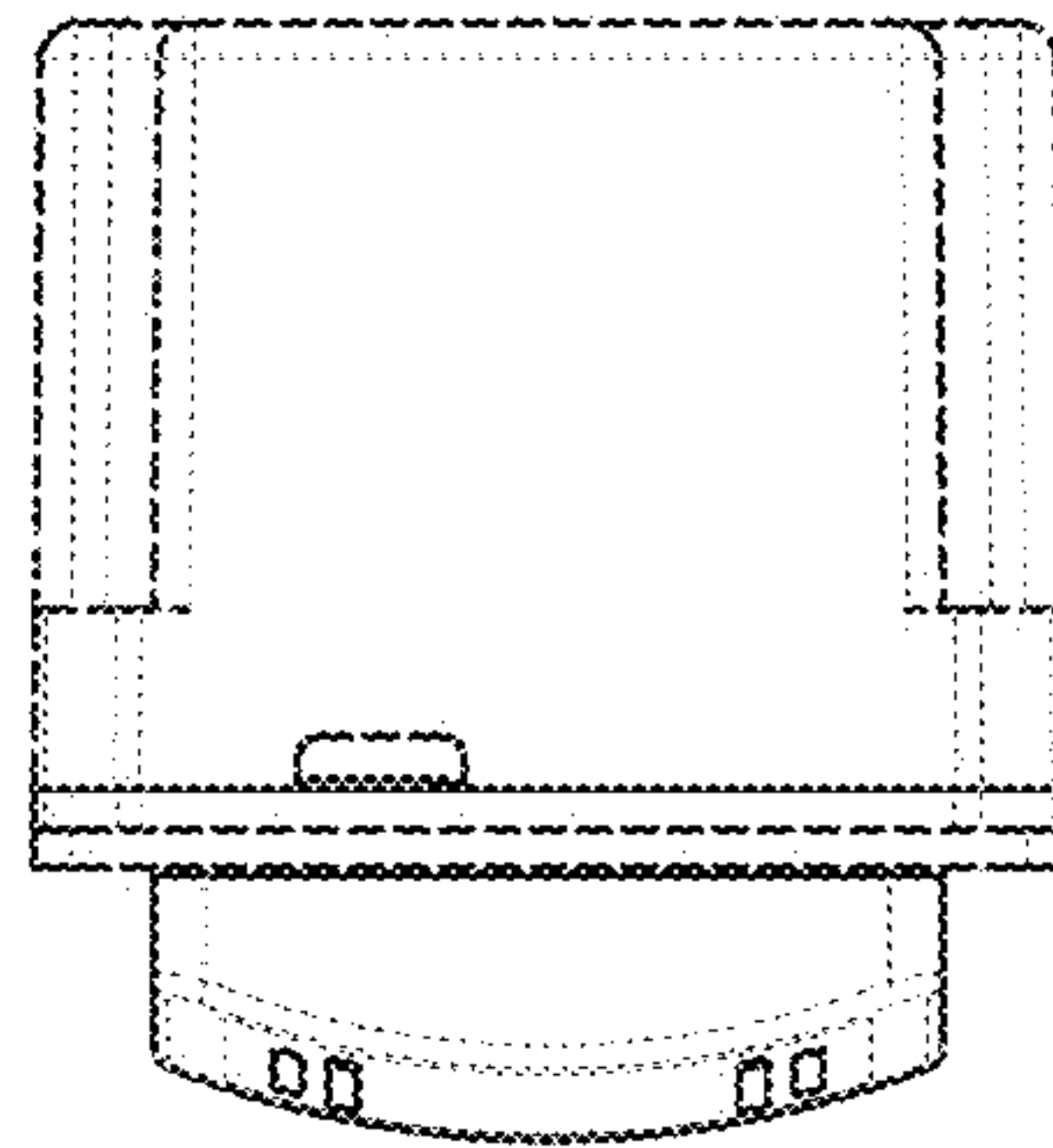


Figure 22

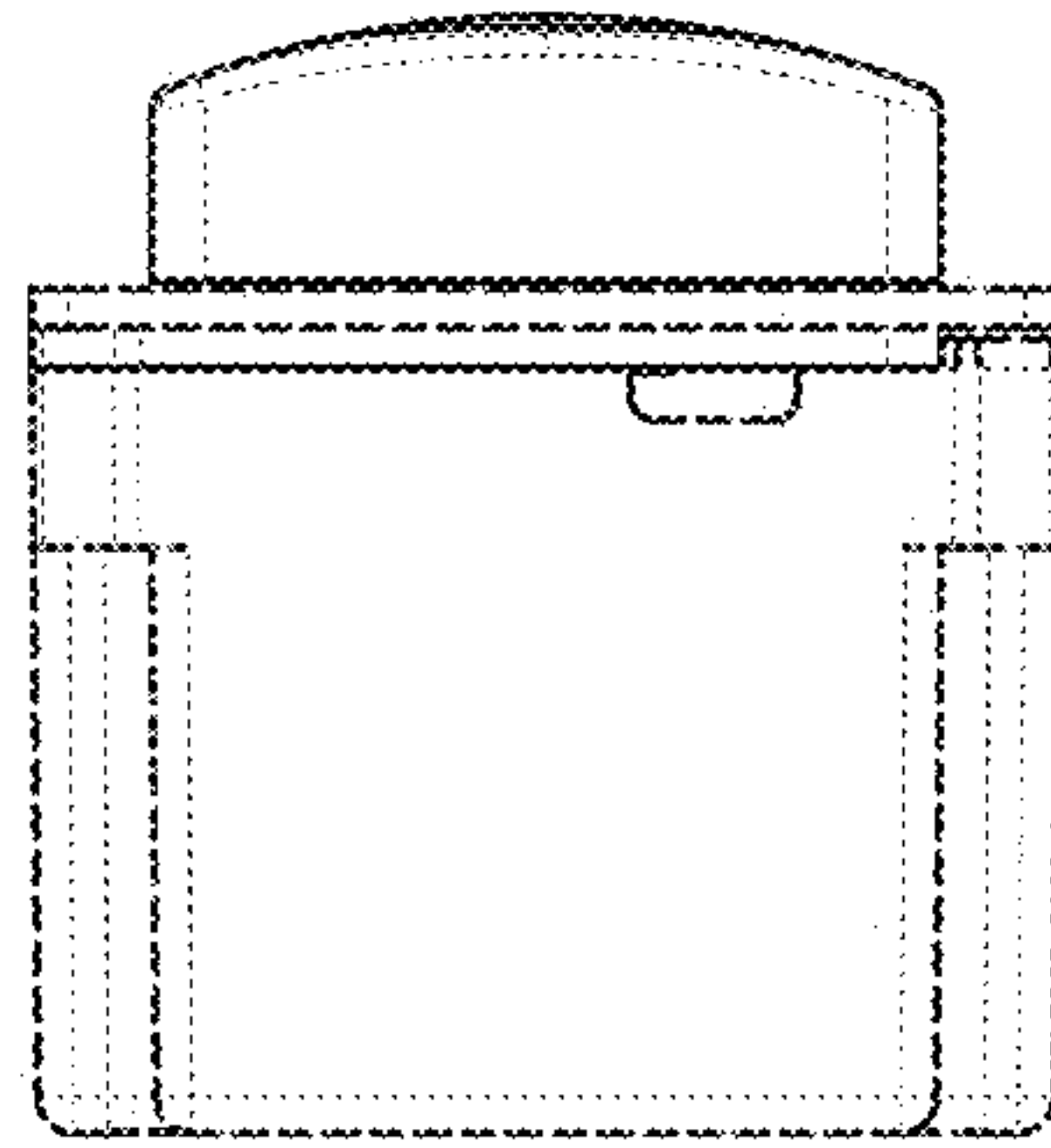


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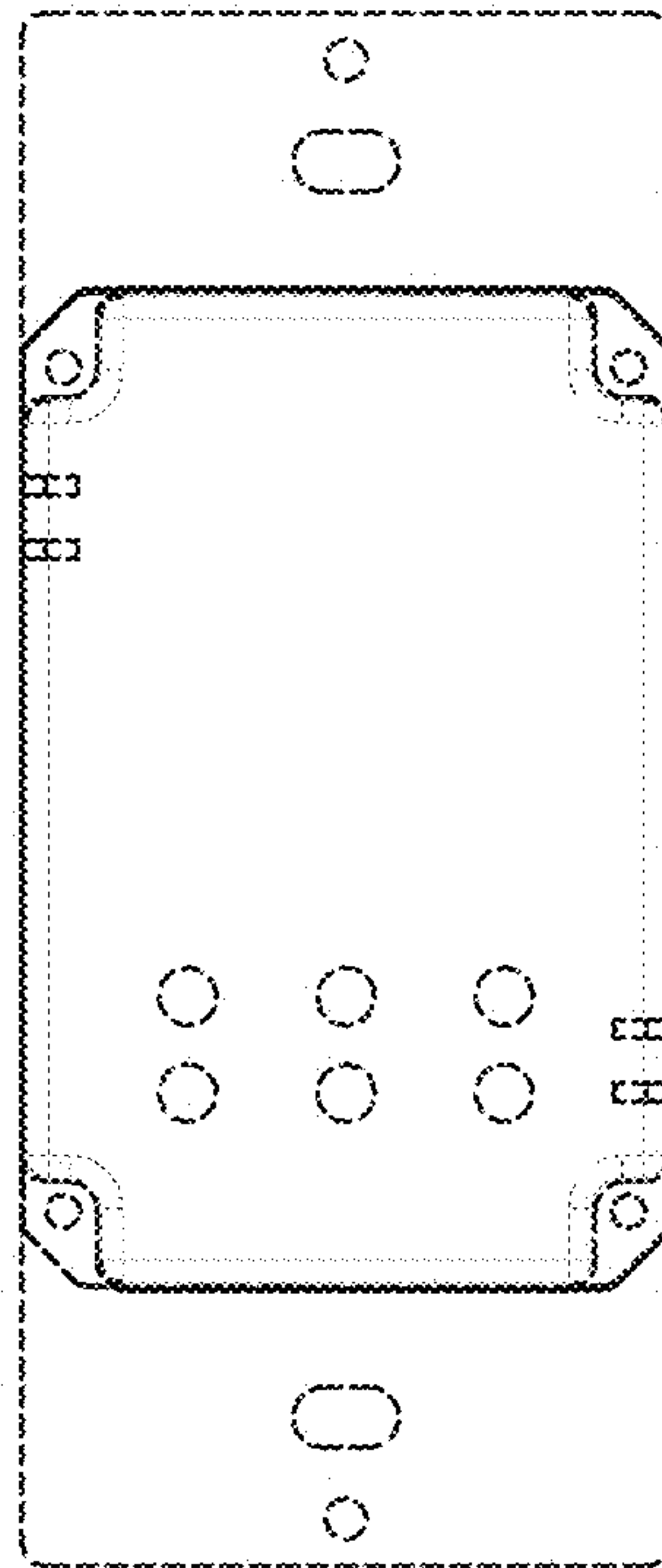


Figure 24



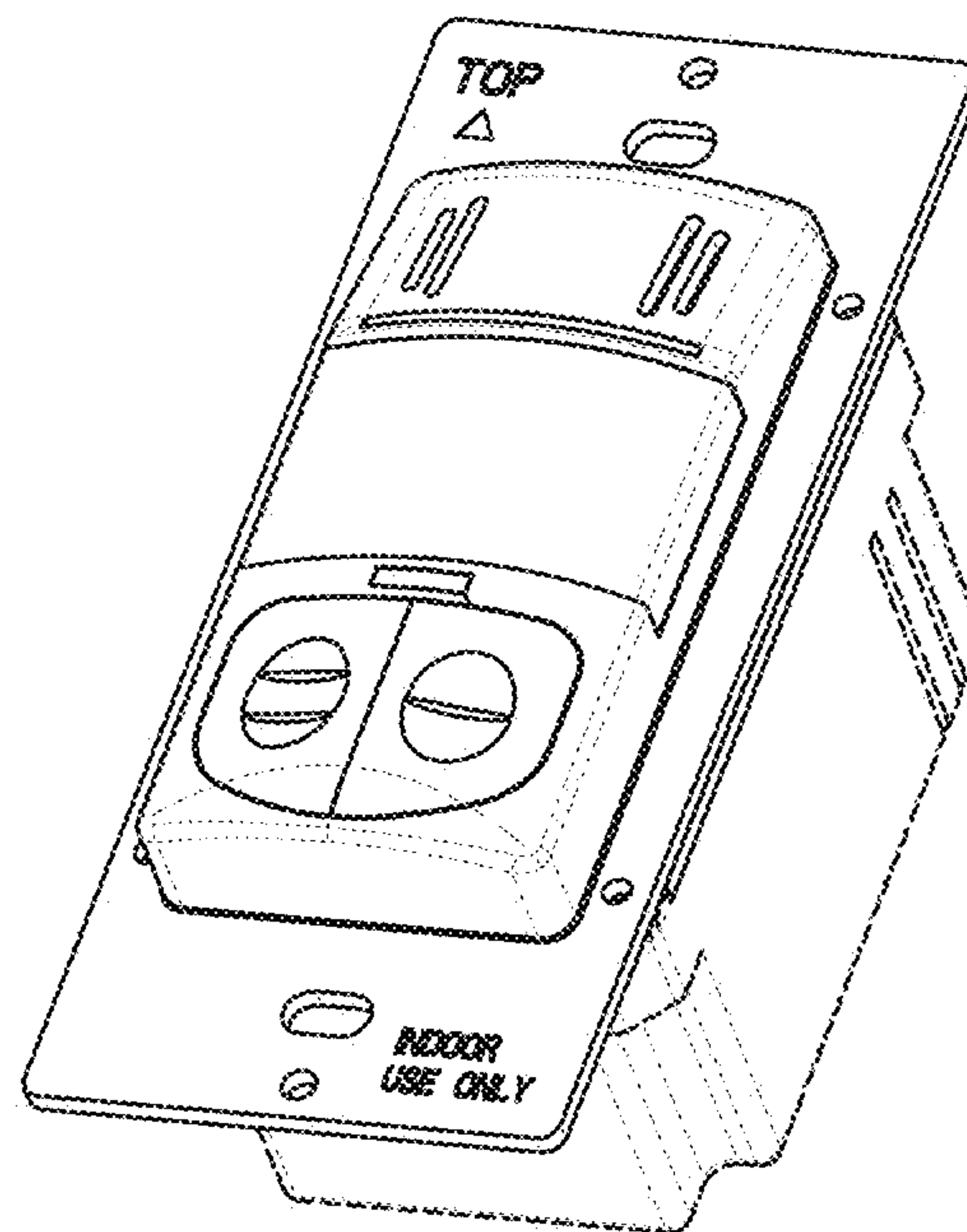


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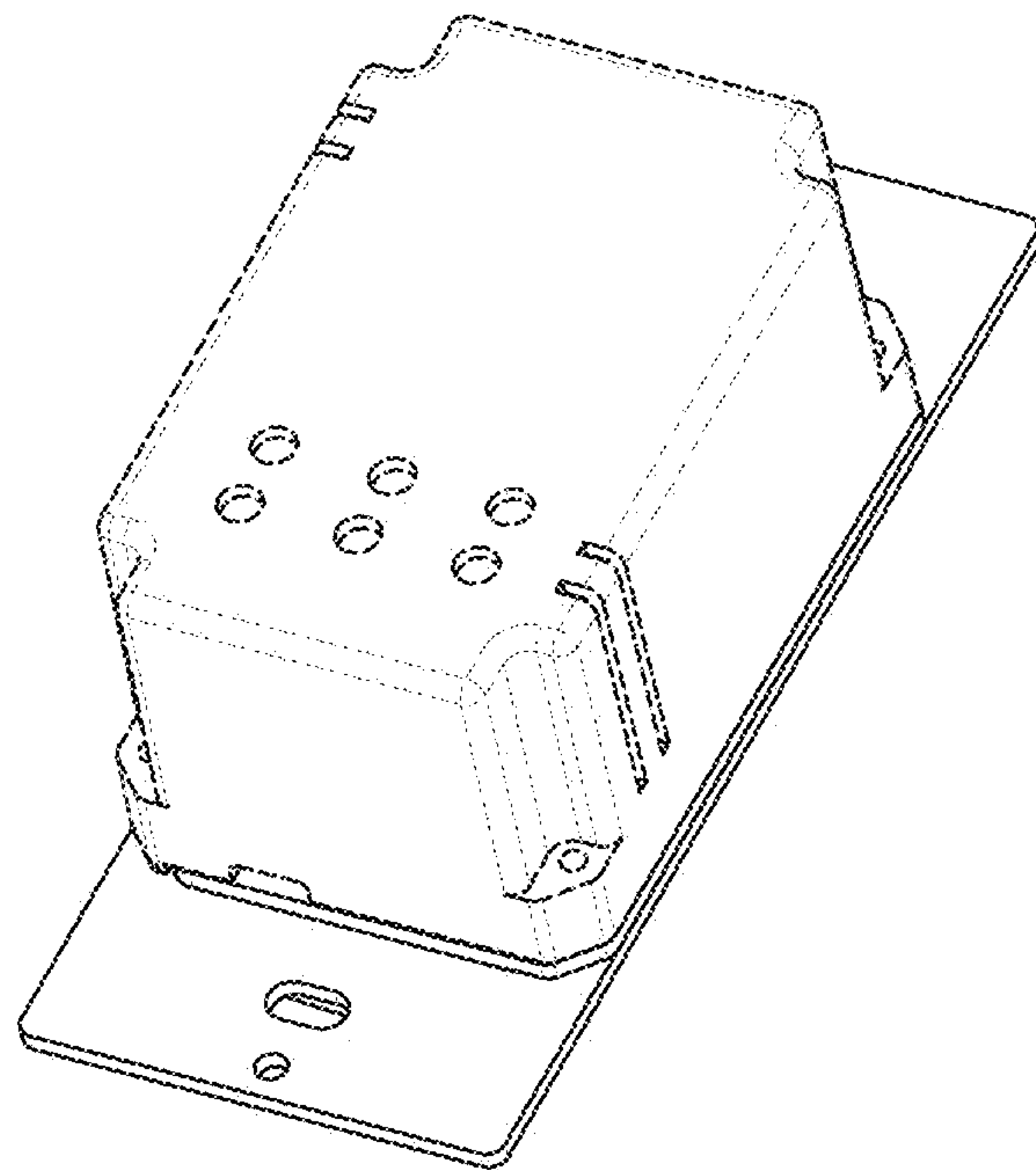


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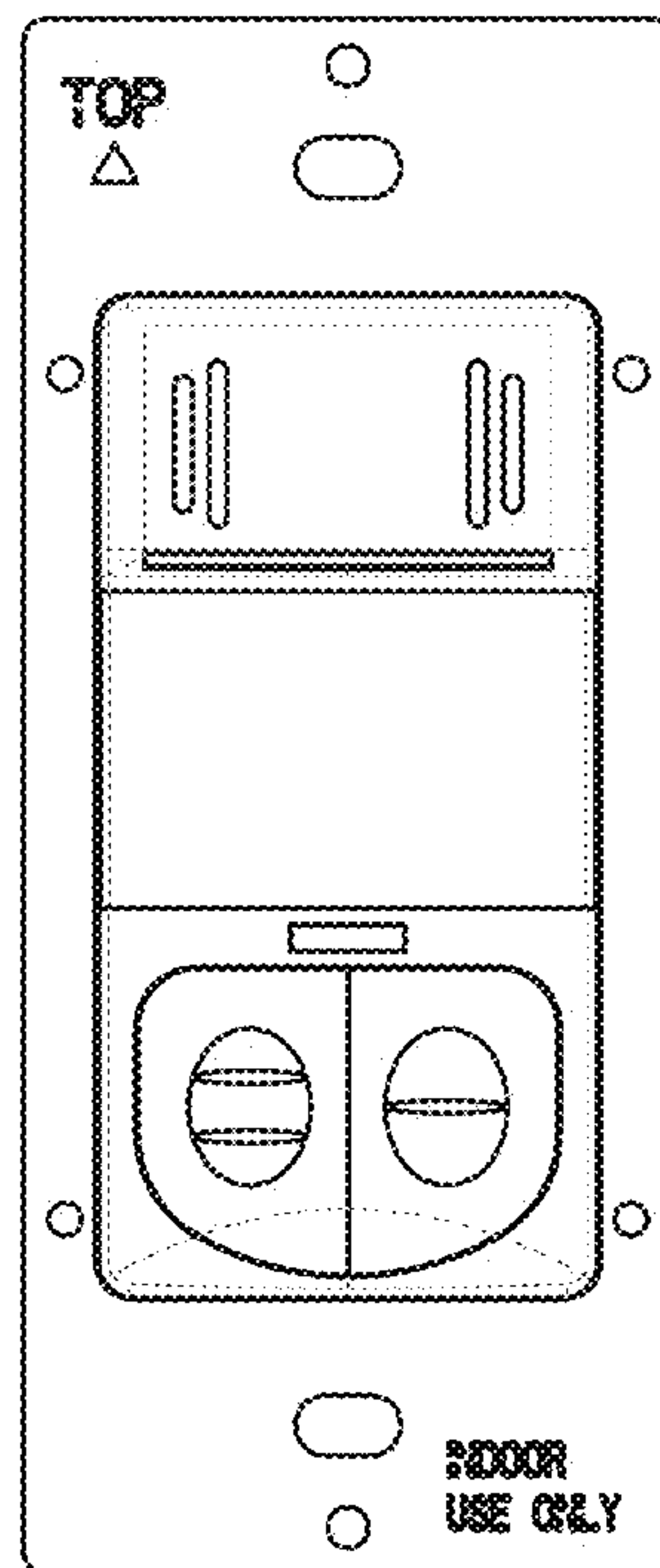


Figure 27

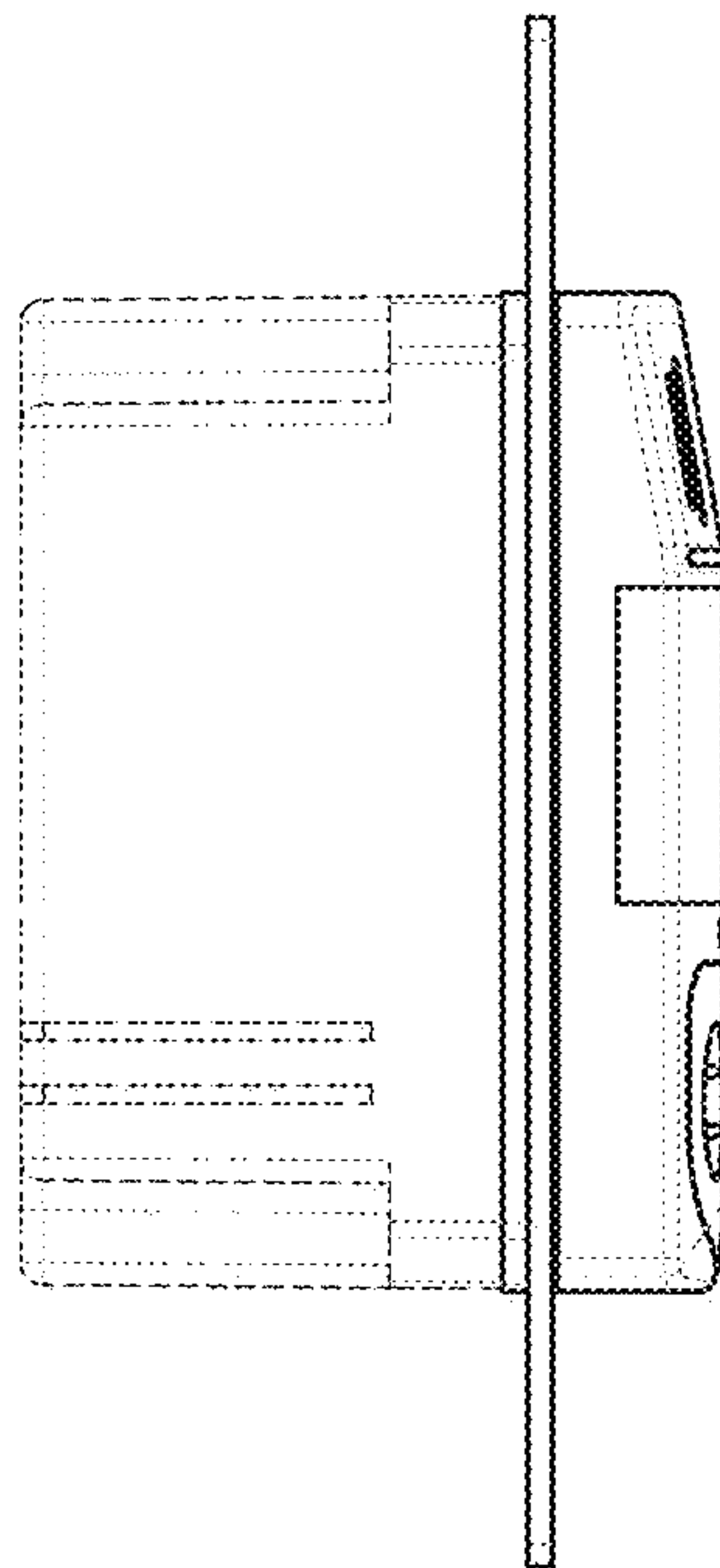


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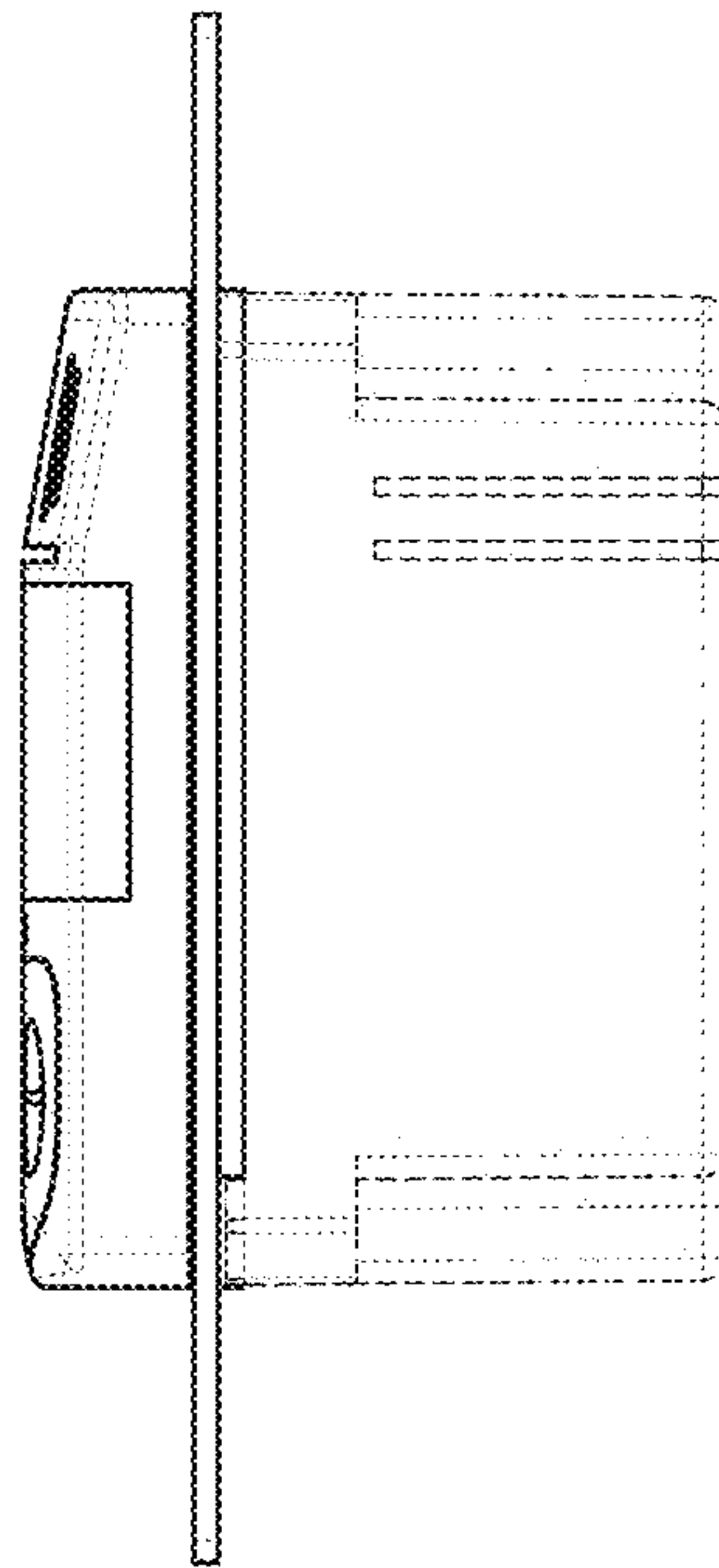


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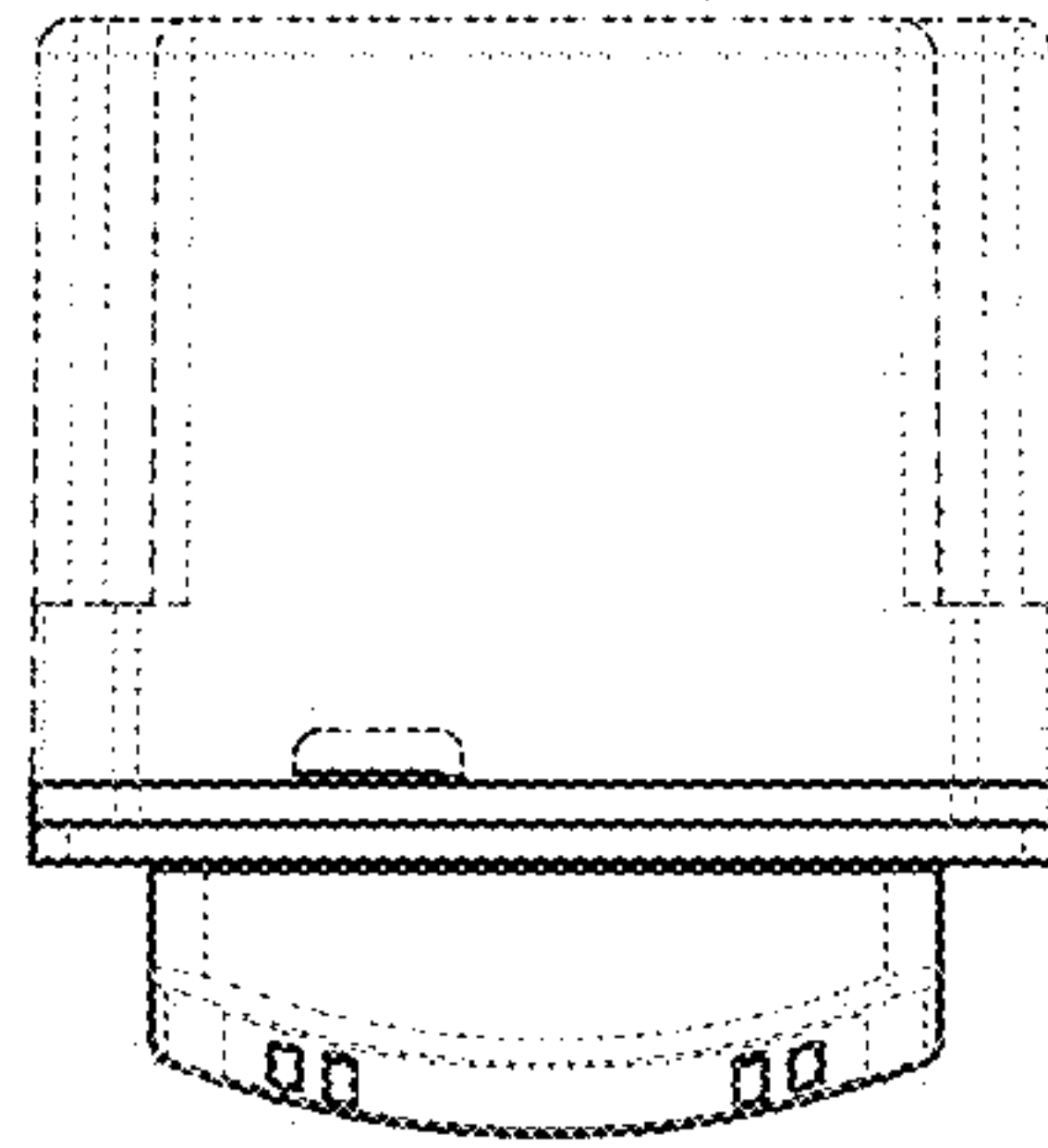


Figure 30



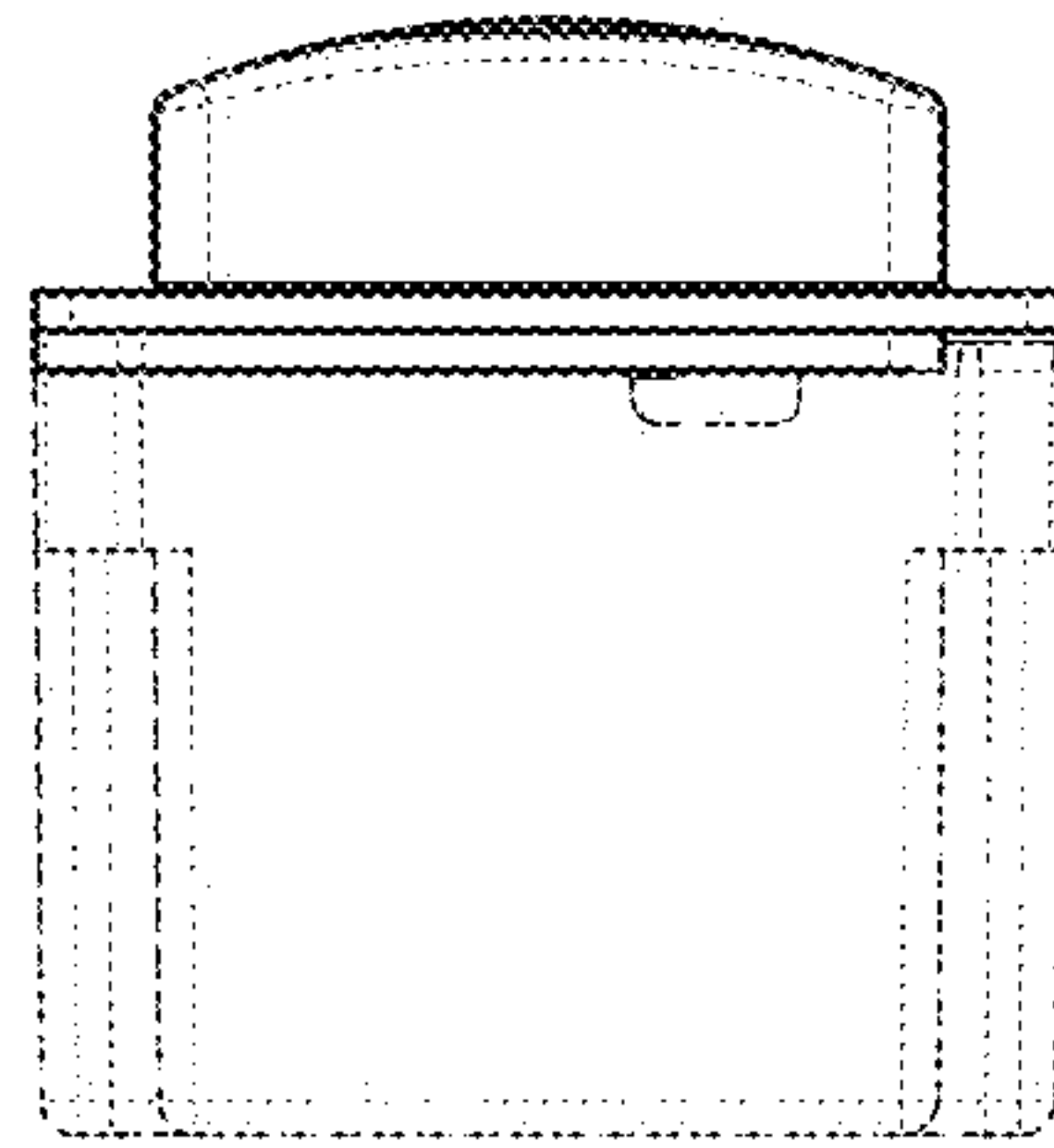


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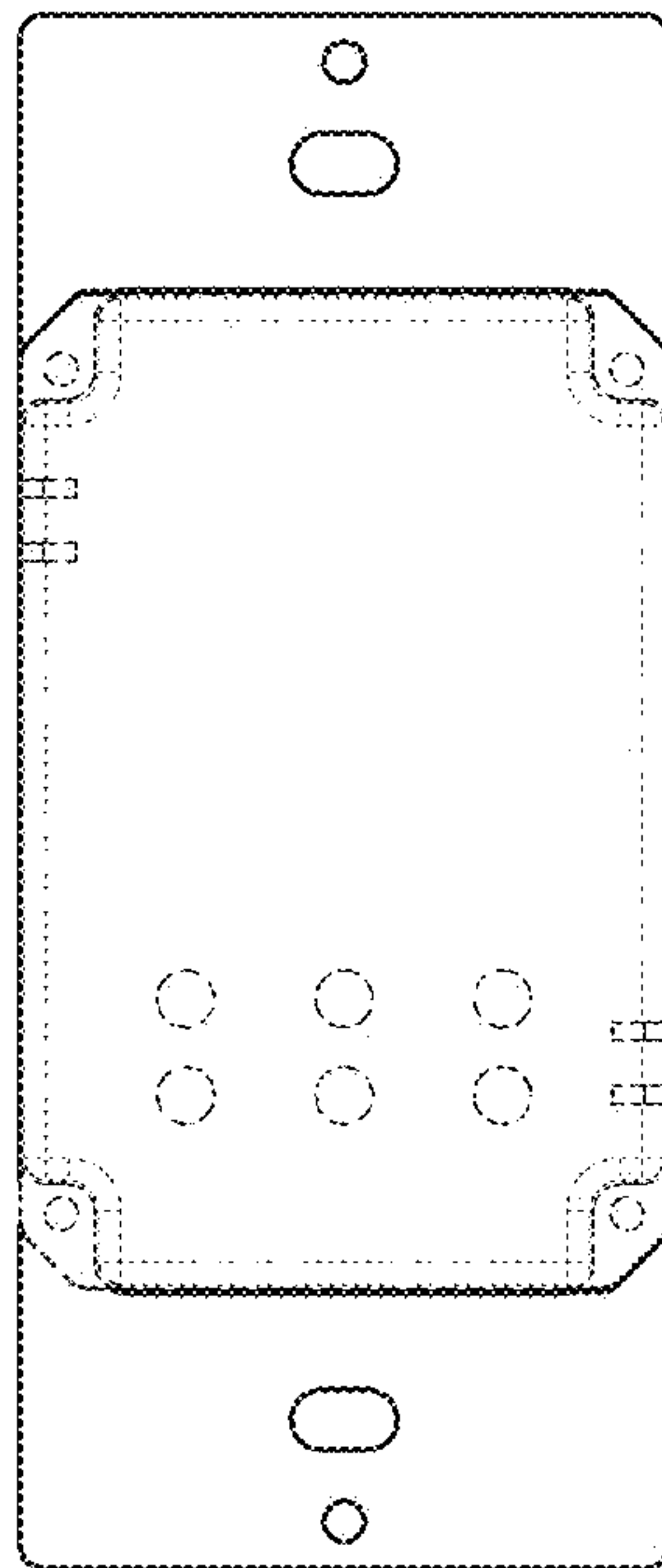


Figure 32