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(12) **United States Design Patent** (10) **Patent No.:** **US D943,517 S**  
**Deng** (45) **Date of Patent:** **\*\* Feb. 15, 2022**

(54) **WALL CHARGER**

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

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(52) **U.S. Cl.**  
USPC ..... **D13/107**

(58) **Field of Classification Search**  
USPC ..... D13/103, 107–110, 118–121, 184, 199, D13/137.1–137.4; D14/251, 253, 432, D14/434, 447  
CPC ..... H02J 7/025; H02J 7/0026; H02J 7/0042; H02J 7/0044; H02J 7/0045; H02J 7/0047; H02J 7/0013; H02J 7/0003; H01M 10/44; H01M 10/441

See application file for complete search history.

(56) **References Cited**

**U.S. PATENT DOCUMENTS**

- D312,615 S \* 12/1990 Schwartz ..... D13/137.2
- D364,379 S \* 11/1995 Pogue ..... D13/137.2
- D486,126 S \* 2/2004 Aromin ..... D13/137.2
- D618,175 S \* 6/2010 Shi ..... D13/137.2
- 7,881,462 B2 2/2011 Hazani
- 7,887,341 B2 2/2011 Liao
- D639,707 S 6/2011 Caskey
- D651,974 S 1/2012 Benedetti
- D666,972 S 9/2012 Kuo
- D673,912 S 1/2013 Benedetti
- D680,953 S \* 4/2013 Kuo ..... D13/137.2

- 8,686,683 B2 4/2014 Caskey
- D714,221 S 9/2014 Neiser
- 8,864,517 B2 10/2014 Cohen
- D740,227 S 10/2015 Symons
- 9,161,464 B2 10/2015 Liao
- D751,038 S 3/2016 Lin
- D801,935 S 11/2017 Herr
- D807,828 S \* 1/2018 Xu ..... D13/137.2
- D814,420 S \* 4/2018 Chen ..... D13/137.2
- D826,159 S 8/2018 Tao
- D856,923 S 8/2019 Huang
- D856,934 S 8/2019 Levy
- D867,295 S \* 11/2019 Shaopeng ..... D13/137.2

(Continued)

**FOREIGN PATENT DOCUMENTS**

- EM 002143073-0003 11/2012
- EM 002143073-0004 11/2012

(Continued)

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(57) **CLAIM**

The ornamental design for a wall charger, as shown and described.

**DESCRIPTION**

FIG. 1 is a top, front perspective view of a wall charger showing my design;

FIG. 2 is a front elevational view thereof;

FIG. 3 is a rear elevational view thereof;

FIG. 4 is a left elevational view thereof;

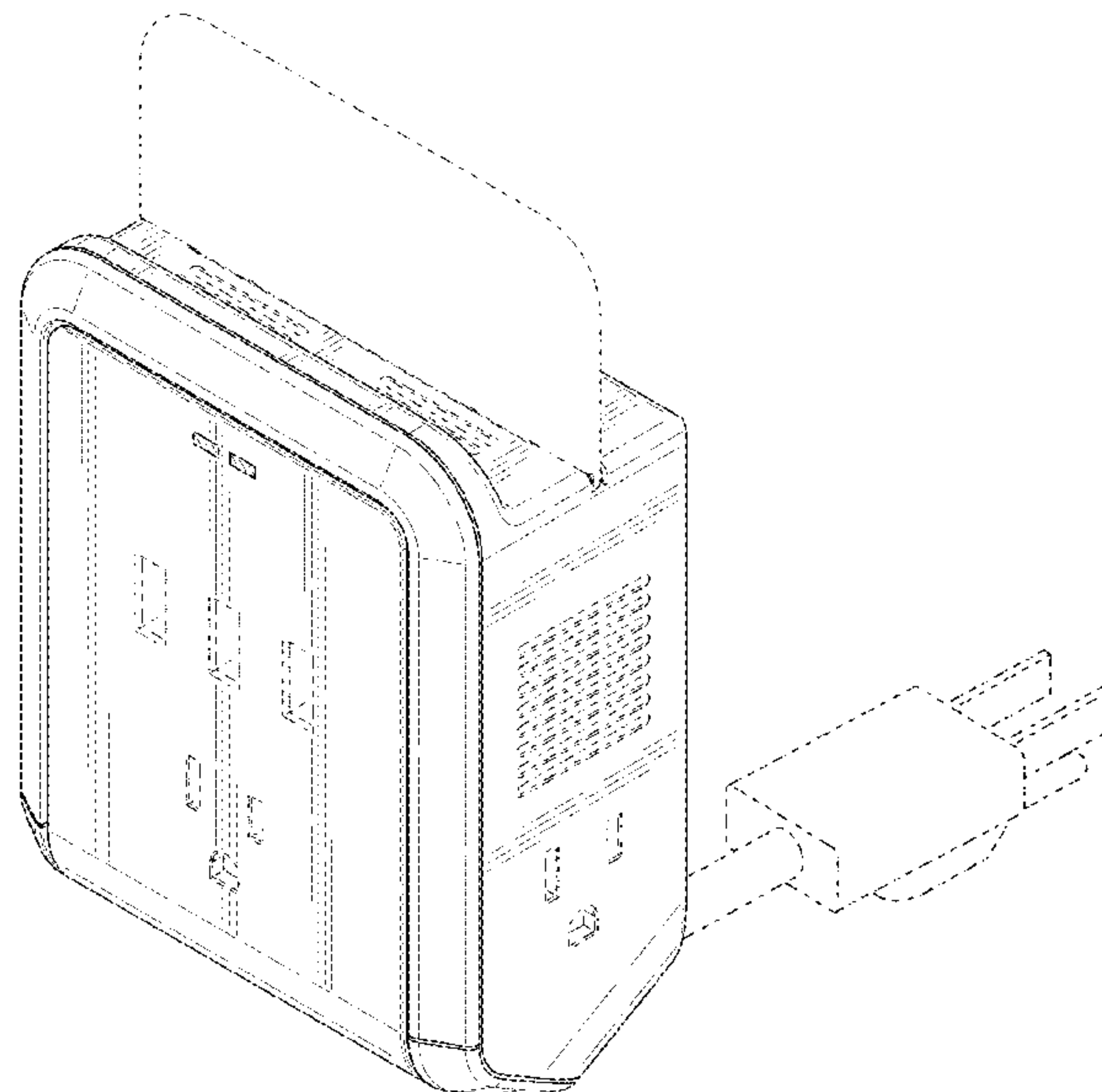
FIG. 5 is a right elevational view thereof;

FIG. 6 is a top plan view thereof; and,

FIG. 7 is a bottom plan view thereof.

The broken lines shown in the drawings are for the purpose of illustrating portions of the wall charger that form no part of the claimed design.

**1 Claim, 7 Drawing Sheets**



(56)

**References Cited**

U.S. PATENT DOCUMENTS

D881,809 S \* 4/2020 Lyu ..... D13/108  
D886,742 S \* 6/2020 Lyu ..... D13/137.2  
D894,838 S 9/2020 Chen  
D895,554 S \* 9/2020 Jianting ..... D13/137.2  
D909,305 S \* 2/2021 Shaopeng ..... D13/137.2  
D909,306 S \* 2/2021 Shaopeng ..... D13/137.2  
D924,806 S \* 7/2021 Li ..... D13/137.2  
D924,808 S \* 7/2021 Bao ..... D13/137.2  
D931,571 S \* 9/2021 Wang ..... D1/100  
2011/0084651 A1 4/2011 Caskey  
2011/0287665 A1 11/2011 Chien  
2015/0129722 A1 5/2015 Green  
2015/0295438 A1 10/2015 Herr  
2020/0096166 A1 3/2020 Gamblin

FOREIGN PATENT DOCUMENTS

EM 002143073-0005 11/2012  
EM 002143073-0006 11/2012  
EM 002260364-0001 6/2013  
EM 002260364-0002 6/2013  
EM 003144567-0001 5/2016  
EM 003421478-0001 10/2016  
EM 004034247-0005 6/2017

\* cited by examiner

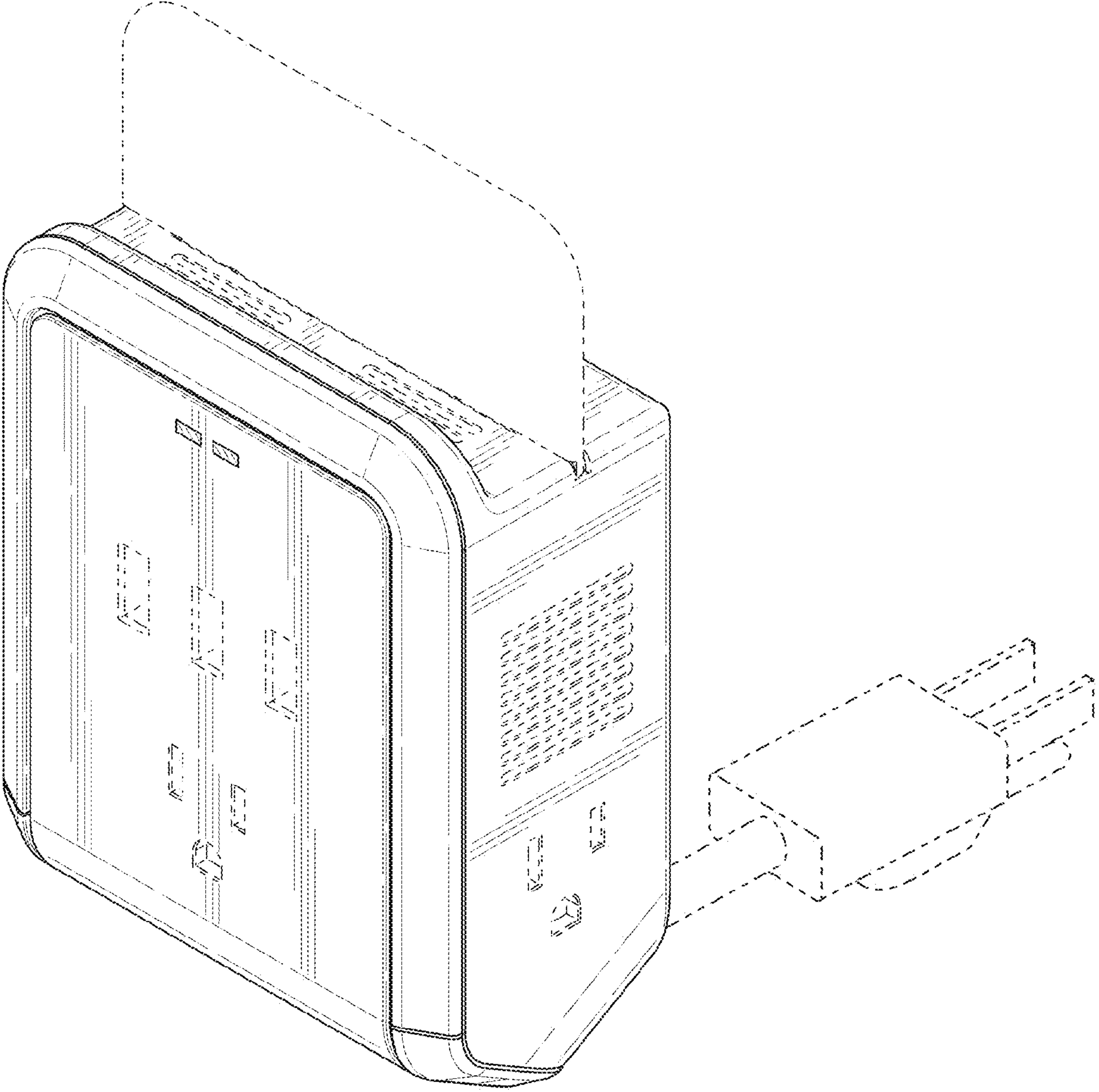


FIG. 1

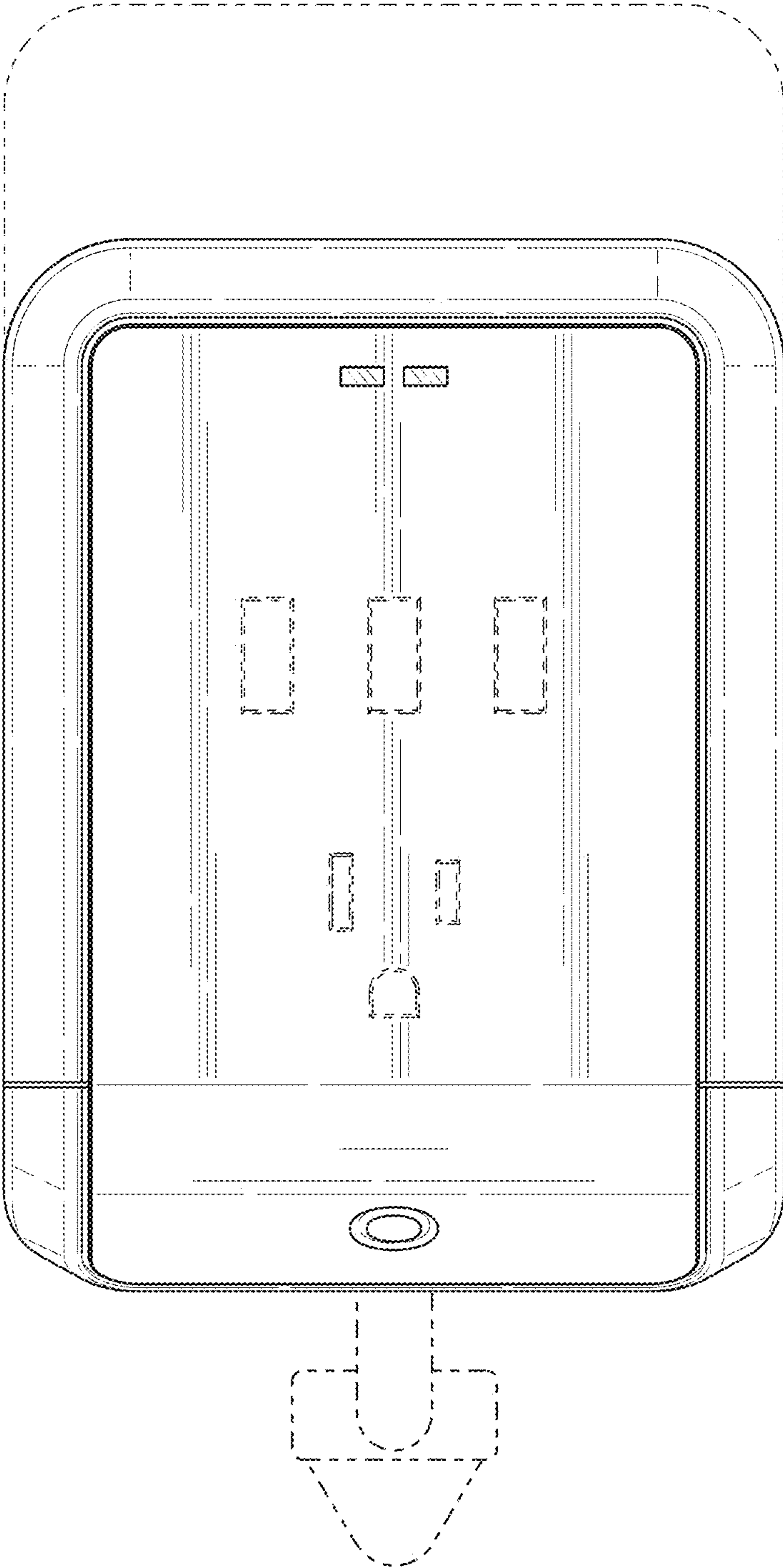


FIG. 2



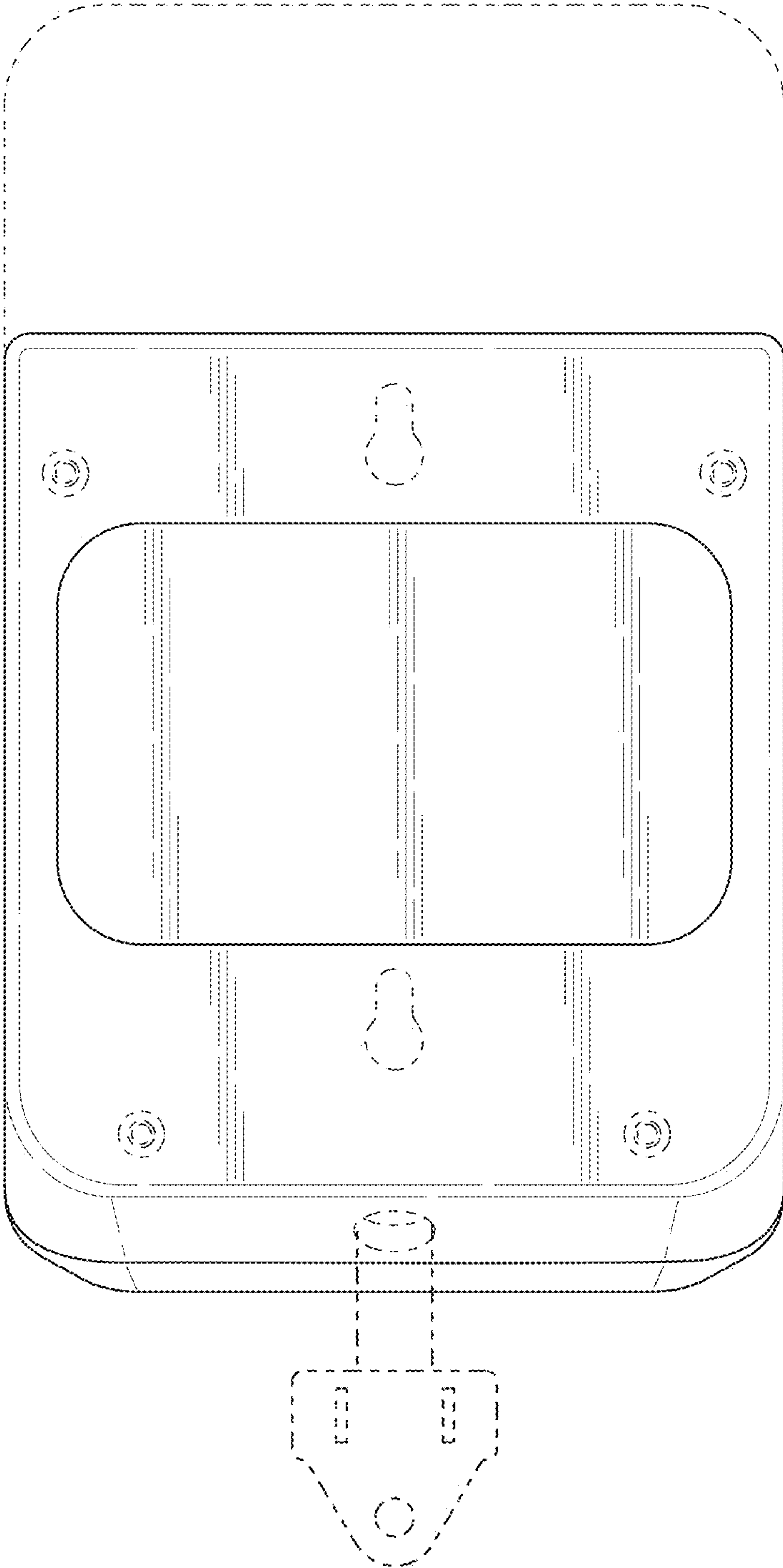


FIG. 3

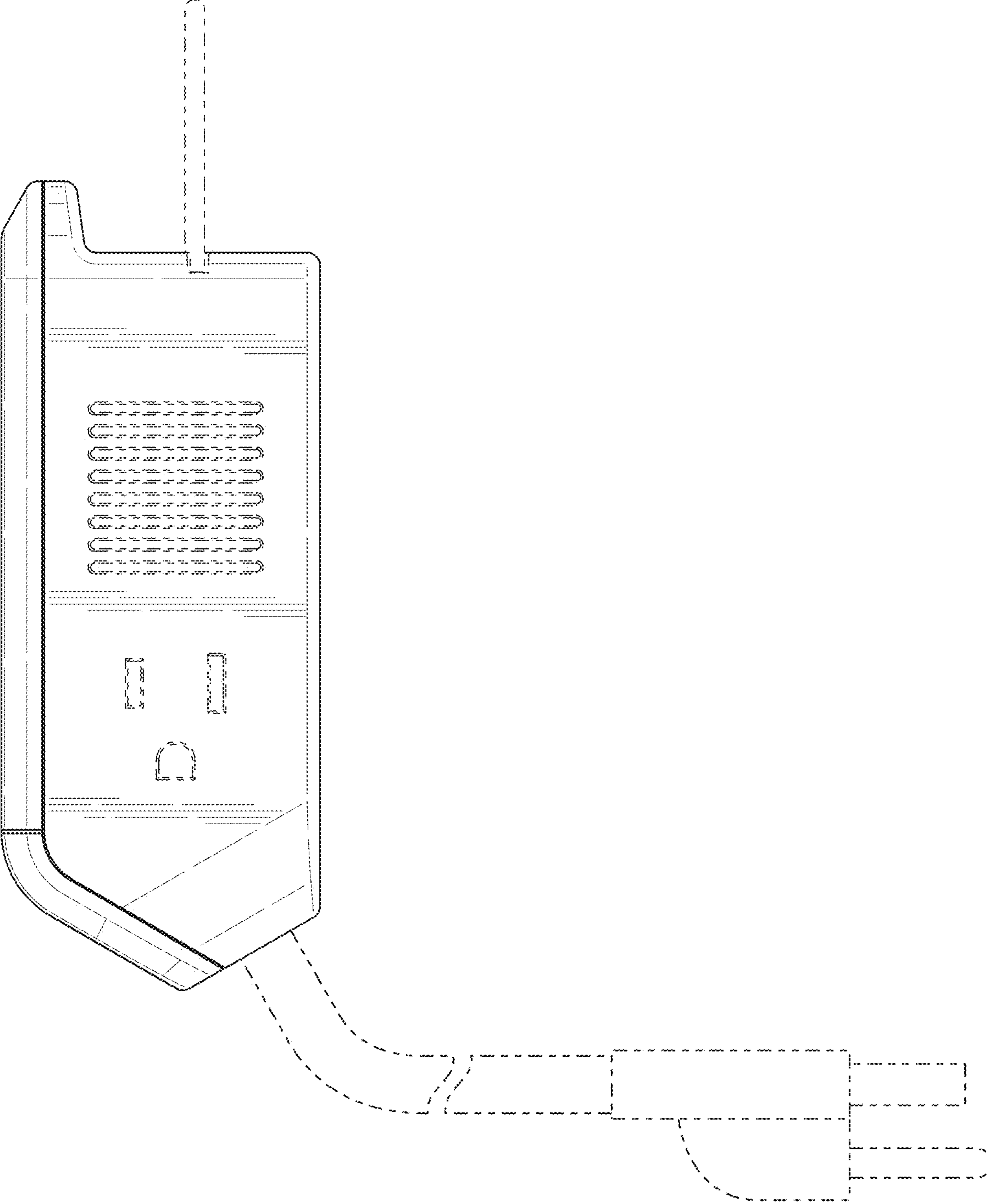


FIG. 4

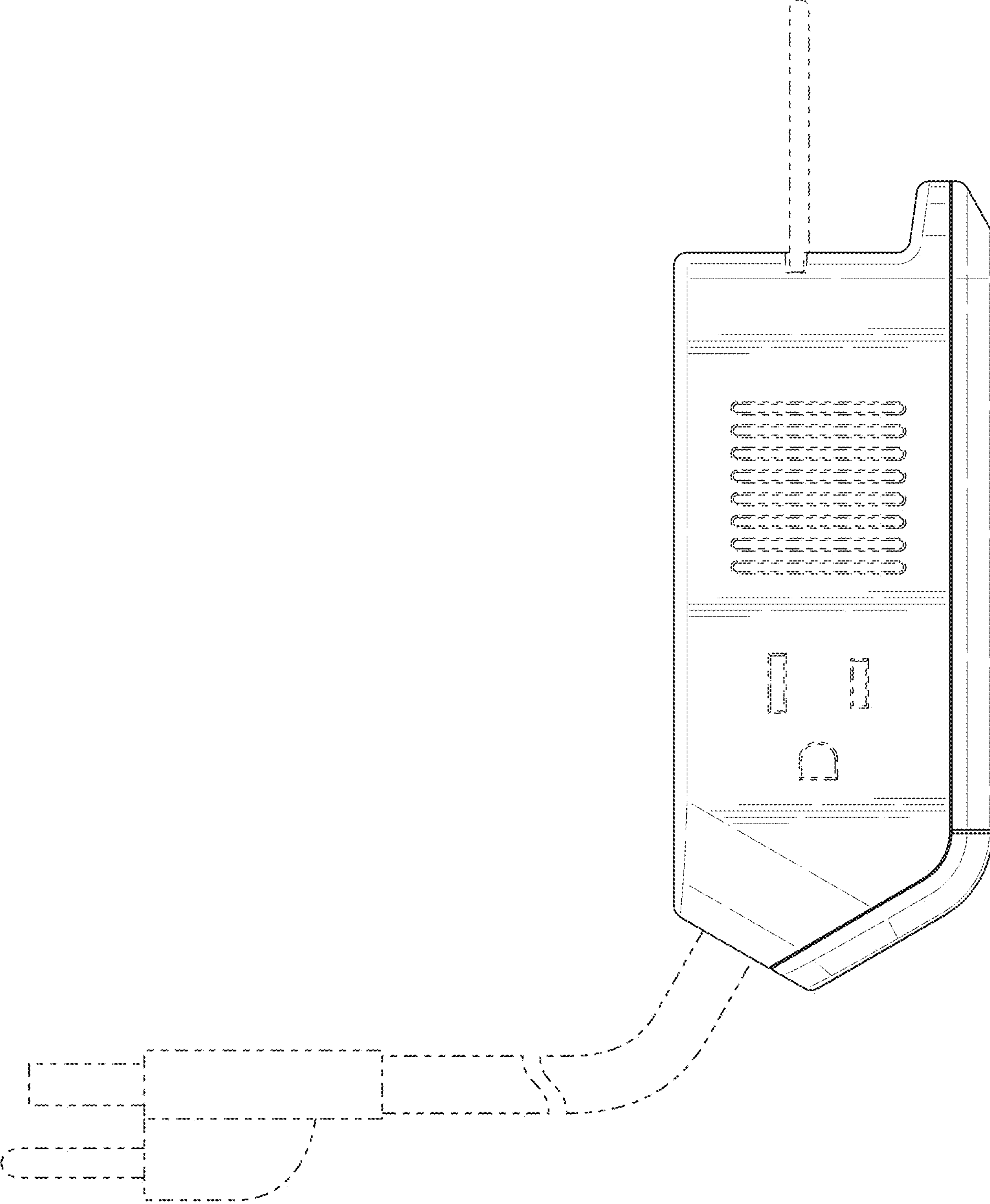


FIG. 5

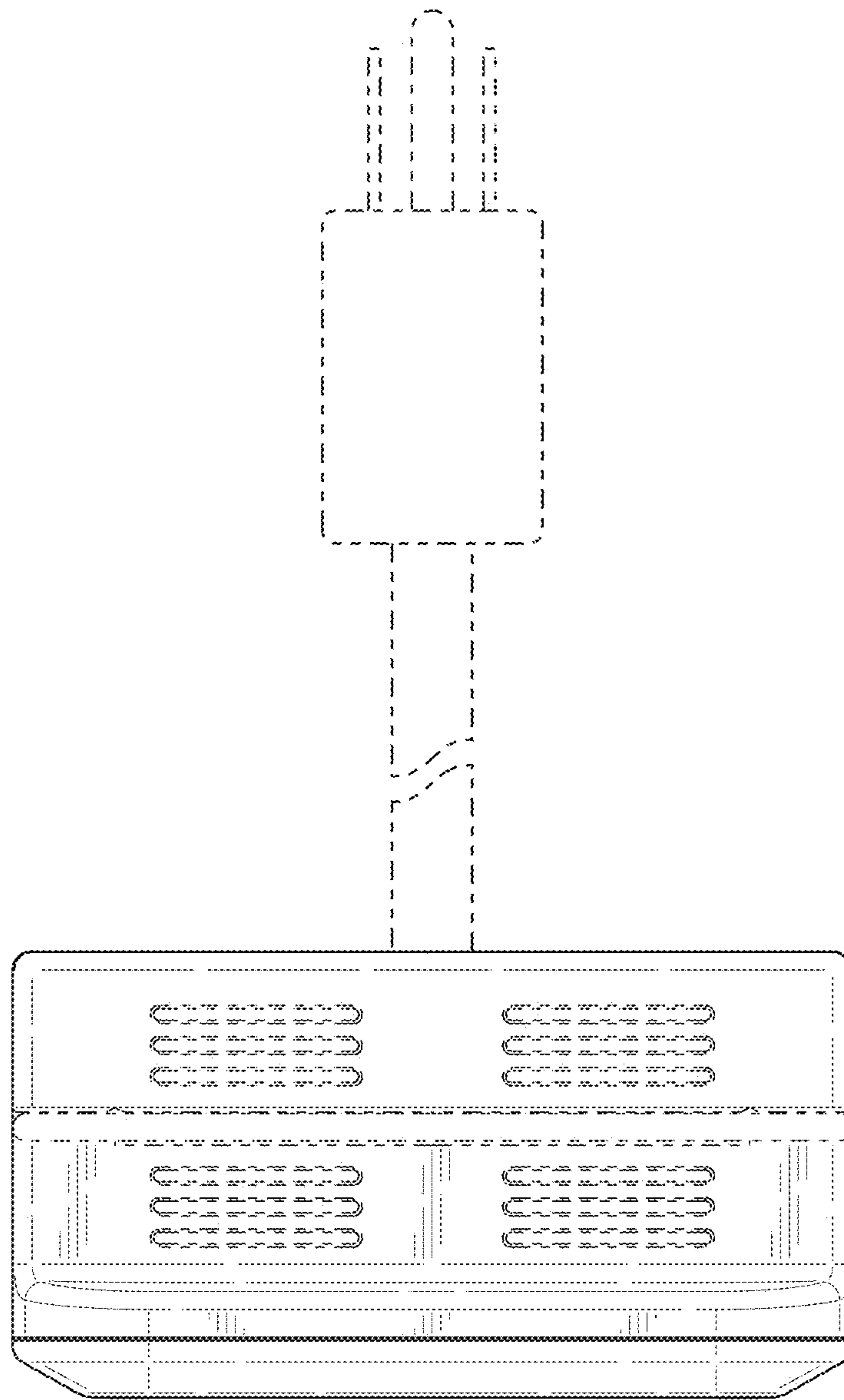


FIG. 6



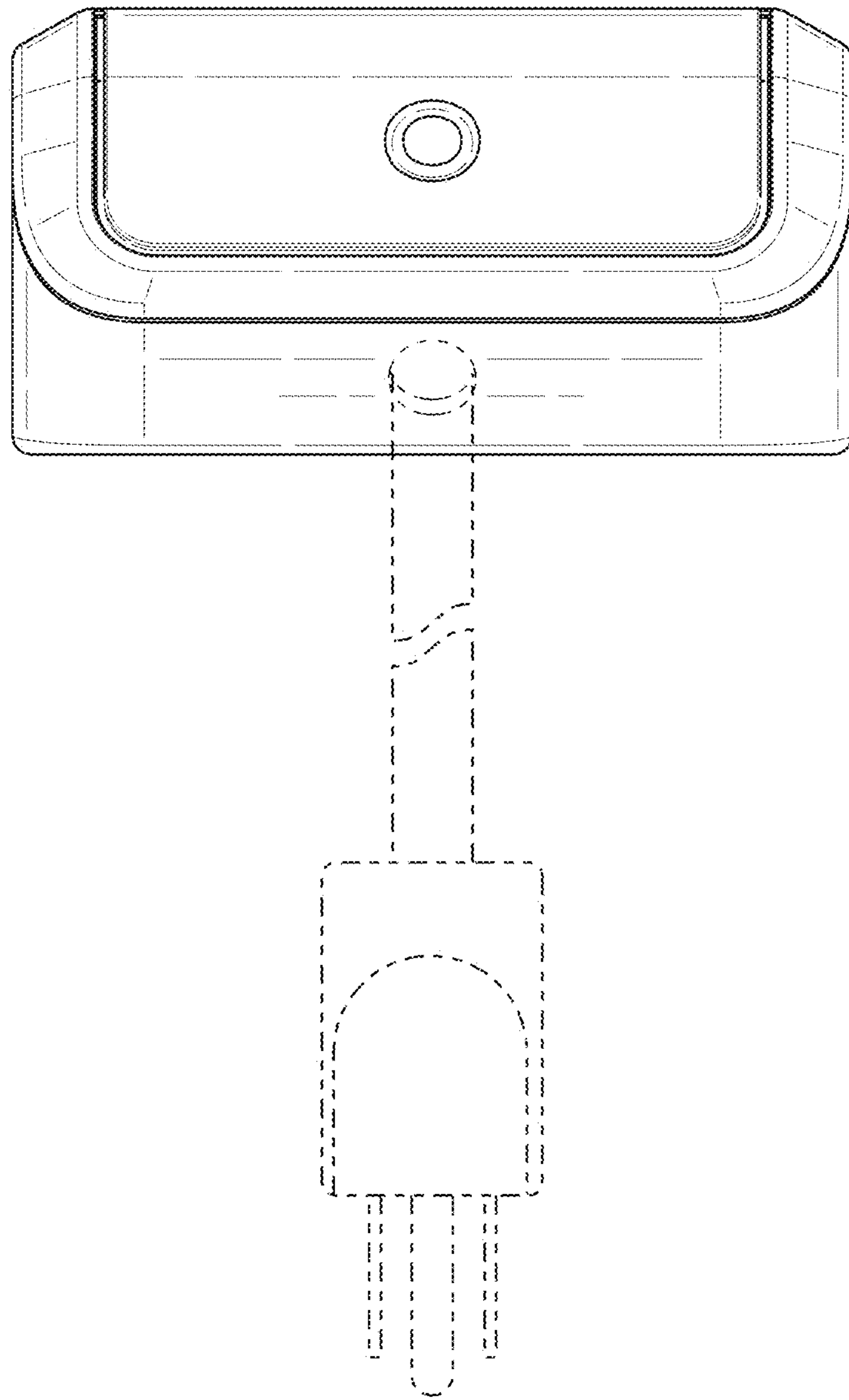


FIG. 7