



US00D893409S

(12) **United States Design Patent** (10) **Patent No.:** **US D893,409 S**
Stray et al. (45) **Date of Patent:** **** Aug. 18, 2020**

(54) **BATTERY DEVICE**

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(71) Applicant: **ATLAS COPCO INDUSTRIAL
TECHNIQUE AB**, Nacka (SE)

(57) **CLAIM**

The ornamental design for a battery device, as shown and described.

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DESCRIPTION

(73) Assignee: **ATLAS COPCO INDUSTRIAL
TECHNIQUE AB**, Nacka (SE)

The patent or application file contains at least one drawing executed in color. Copies of this patent or patent application publication with color drawing(s) will be provided by the Office upon request and payment of the necessary fee.

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

FIG. 1 is a front, top and right side perspective view of a first embodiment of a battery device showing our new design;

(21) Appl. No.: **29/605,362**

FIG. 2 is a top plan view thereof;

(22) Filed: **May 25, 2017**

FIG. 3 is a front elevational view thereof;

(30) **Foreign Application Priority Data**

FIG. 4 is a rear elevational view thereof;

Nov. 25, 2016 (EM) 003482660-0001

FIG. 5 is a right side elevational view thereof;

Nov. 25, 2016 (EM) 003482660-0002

FIG. 6 is a left side elevational view thereof;

(51) **LOC (12) Cl.** **13-02**

FIG. 7 is a bottom plan view thereof;

(52) **U.S. Cl.**

FIG. 8 is a front, top and right side perspective view of a second embodiment of a battery device showing our new design, a top plan view being the same as FIG. 2, and a bottom plan view being the same as FIG. 7;

USPC **D13/103**

FIG. 9 is a front elevational view thereof;

(58) **Field of Classification Search**

FIG. 10 is a rear elevational view thereof;

USPC D13/102–106, 118–119, 184, 199

FIG. 11 is a right side elevational view thereof;

(Continued)

FIG. 12 is a left side elevational view thereof;

(56) **References Cited**

FIG. 13 is a top plan view of the first and second embodiments of the battery device, shown in an alternate state of use;

U.S. PATENT DOCUMENTS

FIG. 14 is a top plan view of the first and second embodiments of the battery device, shown in an alternate state of use;

D328,450 S 8/1992 Watanabe et al.

FIG. 15 is a top plan view of the first and second embodiments of the battery device, shown in an alternate state of use;

D350,112 S 8/1994 Lin

(Continued)

FIG. 16 is a top plan view of the first and second embodiments of the battery device, shown in an alternate state of use;

OTHER PUBLICATIONS

FIG. 17 is a top plan view of the first and second embodiments of the battery device, shown in an alternate state of use;

Office Action (Non-Final Rejection) dated Mar. 23, 2020 issued in U.S. Appl. No. 29/605,370.

Primary Examiner — Rosemary K Tarca

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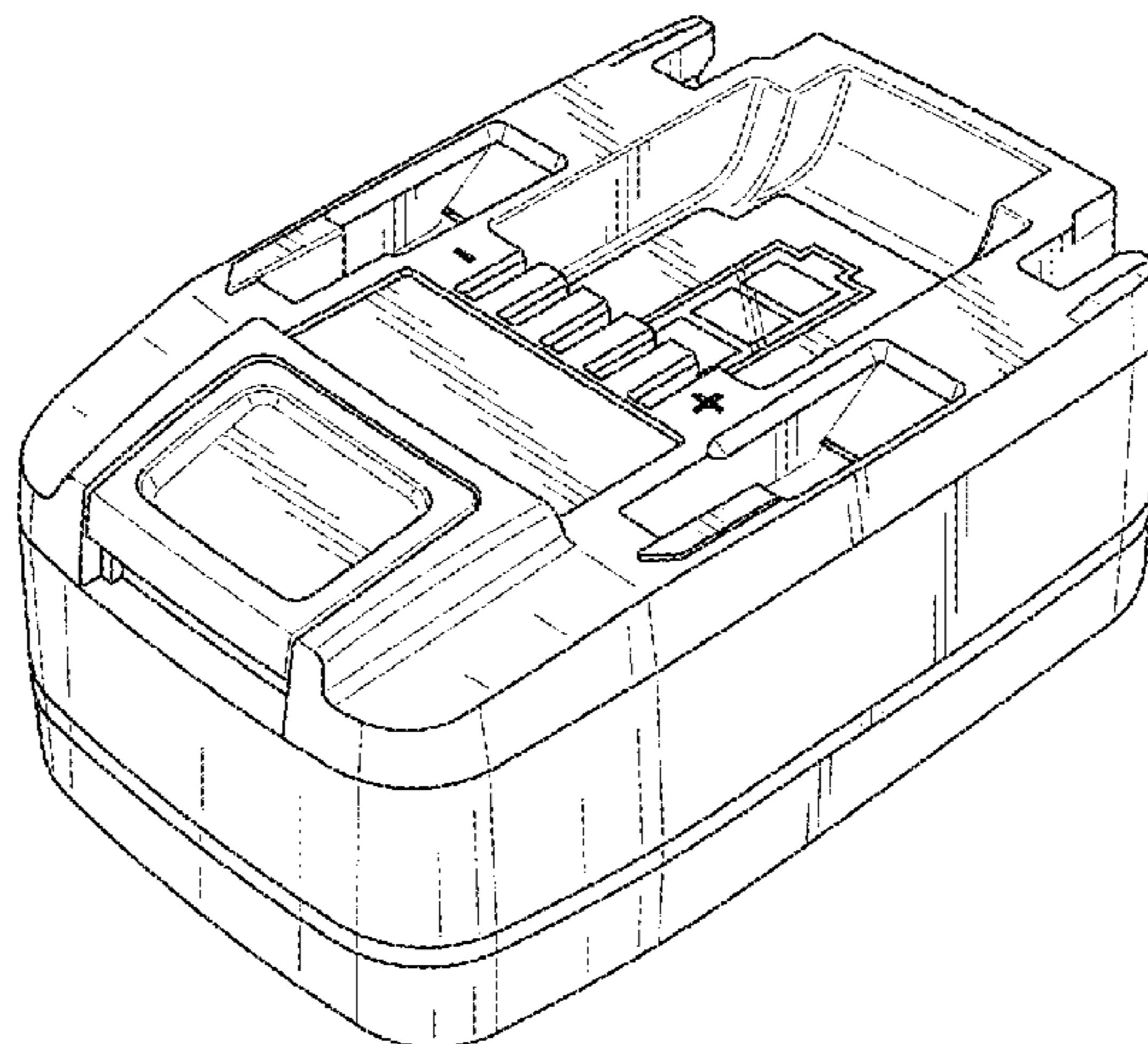


FIG. 18 is a top plan view of the first and second embodiments of the battery device, shown in an alternate state of use;

FIG. 19 is a top plan view of the first and second embodiments of the battery device, shown in an alternate state of use;

FIG. 20 is a top plan view of the first and second embodiments of the battery device, shown in an alternate state of use; and,

FIG. 21 is a top plan view of the first and second embodiments of the battery device, shown in an alternate state of use.

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

**1 Claim, 10 Drawing Sheets
(3 of 10 Drawing Sheet(s) Filed in Color)**

(58) **Field of Classification Search**

CPC Y02E 60/12; Y02E 60/122; Y02E 60/124;
Y02E 60/50; H01M 2/02; H01M 2/022;
H01M 2/0202; H01M 2/0207; H01M
2/0212; H01M 2/1061; H01M 2/1022;
H01M 2/1055; H01M 2/1066; H01M
2/105; H01M 2/204; H01M 10/4257;
H01M 10/0436; H01M 10/48

See application file for complete search history.

(56) **References Cited**

U.S. PATENT DOCUMENTS

D404,006 S 1/1999 Clowers et al.
D409,976 S 5/1999 Buck
D417,649 S 12/1999 Higgins et al.

D420,323 S 2/2000 Nakamura
D436,917 S * 1/2001 Hayakawa D13/103
D462,657 S 9/2002 Kaneko
D483,012 S * 12/2003 Hsu D13/103
D507,234 S 7/2005 Heun
D507,525 S 7/2005 Heun
D537,408 S * 2/2007 Aglassinger D13/103
D541,214 S 4/2007 Ino et al.
D548,687 S 8/2007 Okuda et al.
D550,152 S * 9/2007 Okuda D13/103
D568,239 S * 5/2008 Okada D13/103
D588,986 S 3/2009 Zhang
D597,935 S * 8/2009 Aglassinger D13/103
D598,373 S * 8/2009 Aglassinger D13/103
D601,088 S * 9/2009 Scheucher D13/103
D606,935 S * 12/2009 Murayama D13/103
D607,814 S * 1/2010 Tsuzuki D13/103
D610,085 S 2/2010 Sweeney
D635,917 S 4/2011 Okuda
D640,190 S * 6/2011 Aglassinger D13/103
D640,628 S * 6/2011 Lopano D13/103
D640,975 S 7/2011 Okuda et al.
D642,518 S 8/2011 Kokawa
D643,809 S * 8/2011 Okuda D13/103
D657,307 S * 4/2012 Zhao D13/103
D658,578 S * 5/2012 Davis D13/103
D668,219 S 10/2012 Zhao et al.
D682,193 S * 5/2013 Corbin D13/103
D685,730 S * 7/2013 Hamm D13/103
D711,314 S 8/2014 Marino et al.
D721,648 S 1/2015 Breines
D770,377 S * 11/2016 Kondo D13/103
D785,562 S 5/2017 Cooper
D800,650 S * 10/2017 Itoh D13/103
D801,919 S 11/2017 Elder
D818,948 S * 5/2018 Waldron D13/103
D840,926 S 2/2019 Howell
D844,558 S * 4/2019 Taniguchi D13/103
D855,019 S 7/2019 Rustill
D865,661 S 11/2019 Lin
D870,656 S 12/2019 Waldron
2016/0293909 A1 10/2016 O'Sullivan et al.

* cited by examiner

FIG. 1

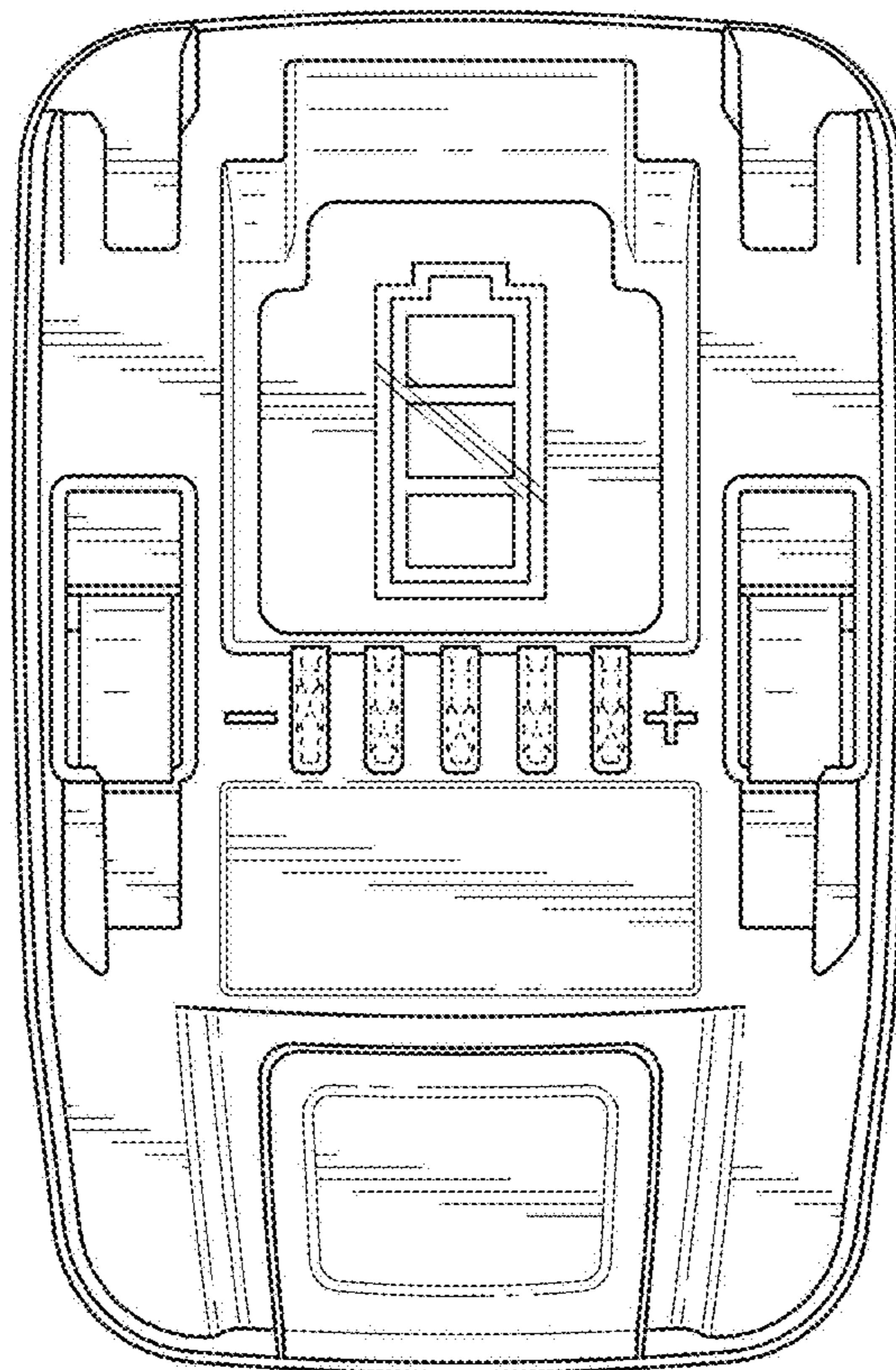
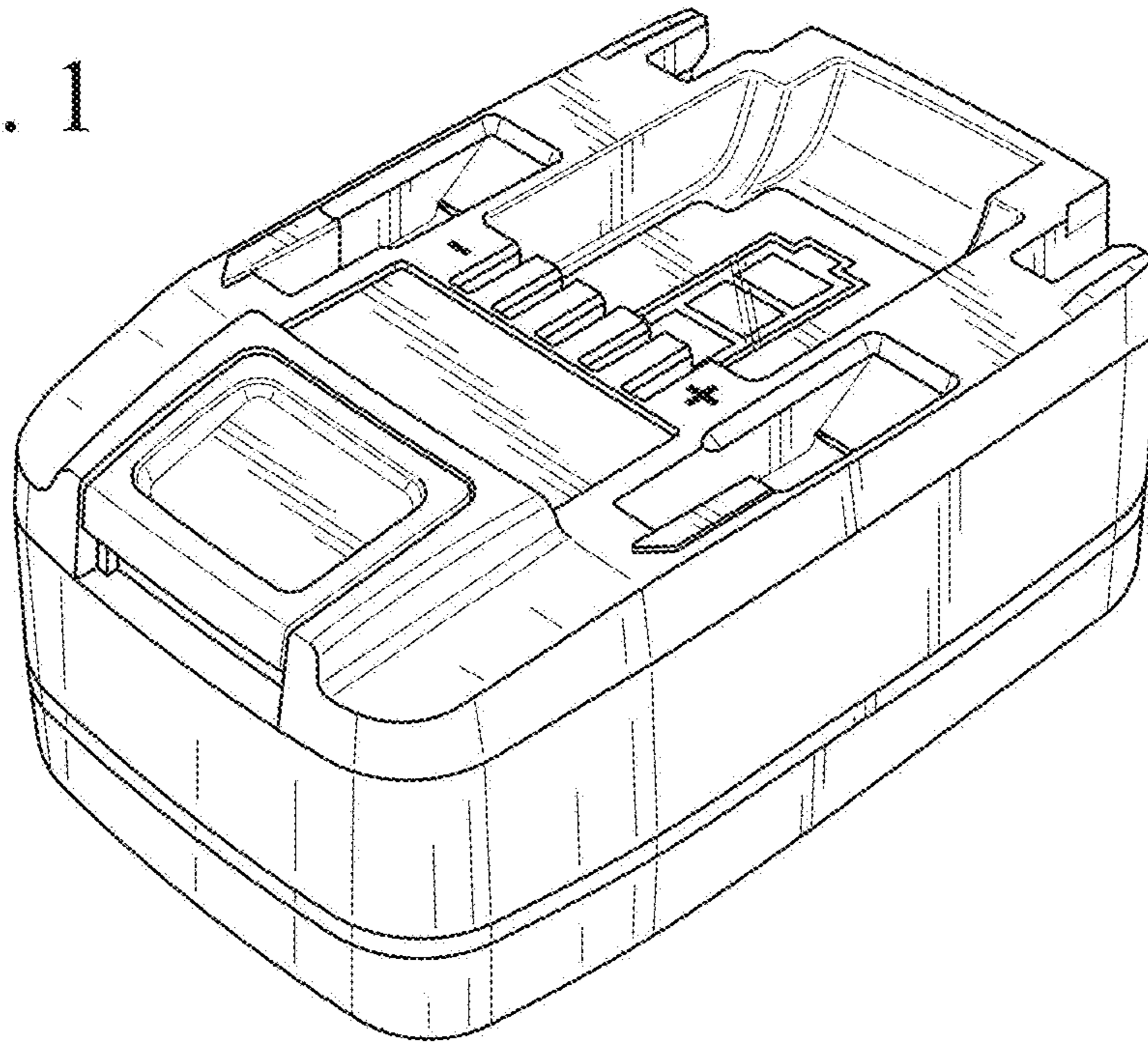


FIG. 2

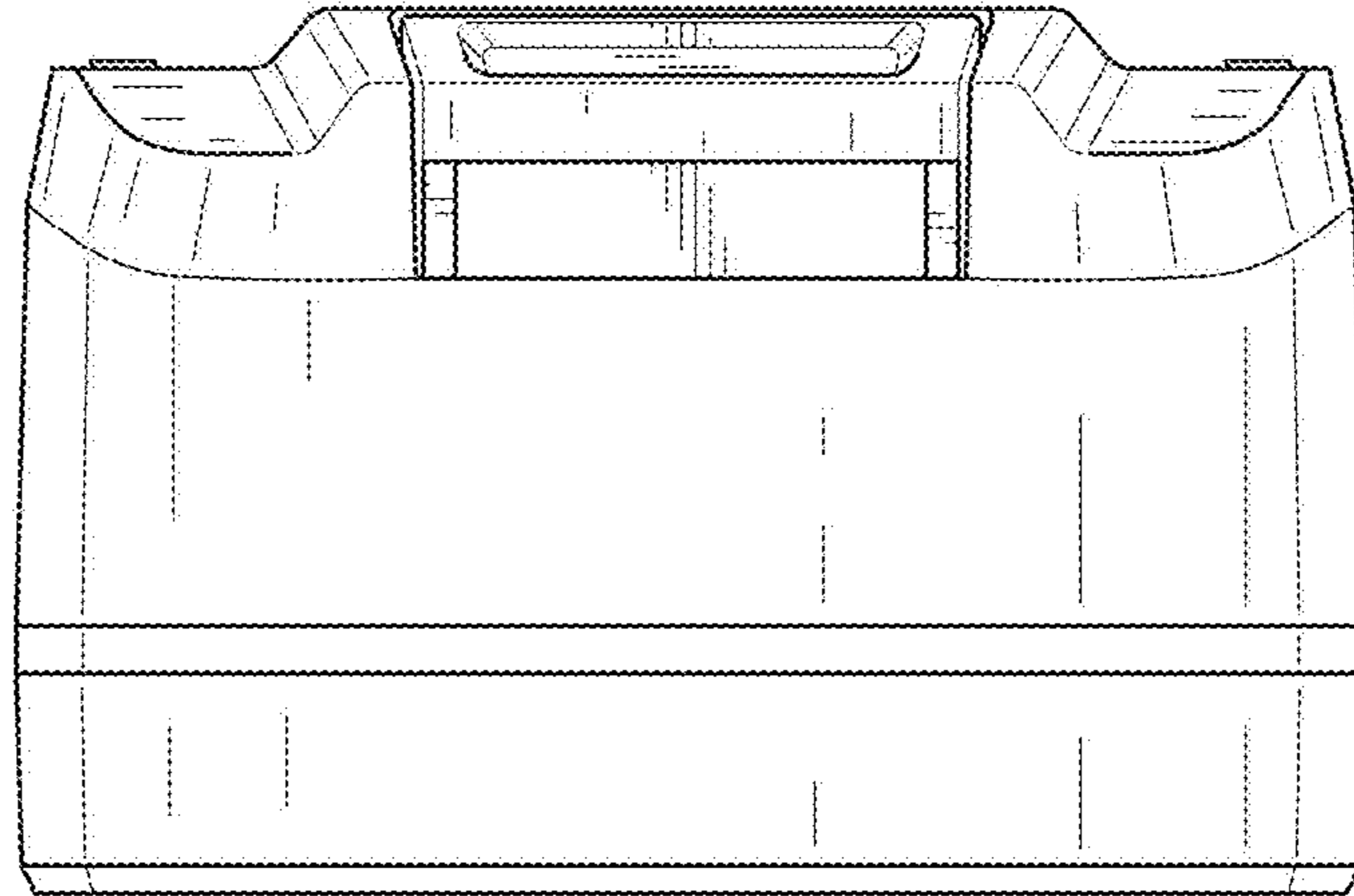


FIG. 3

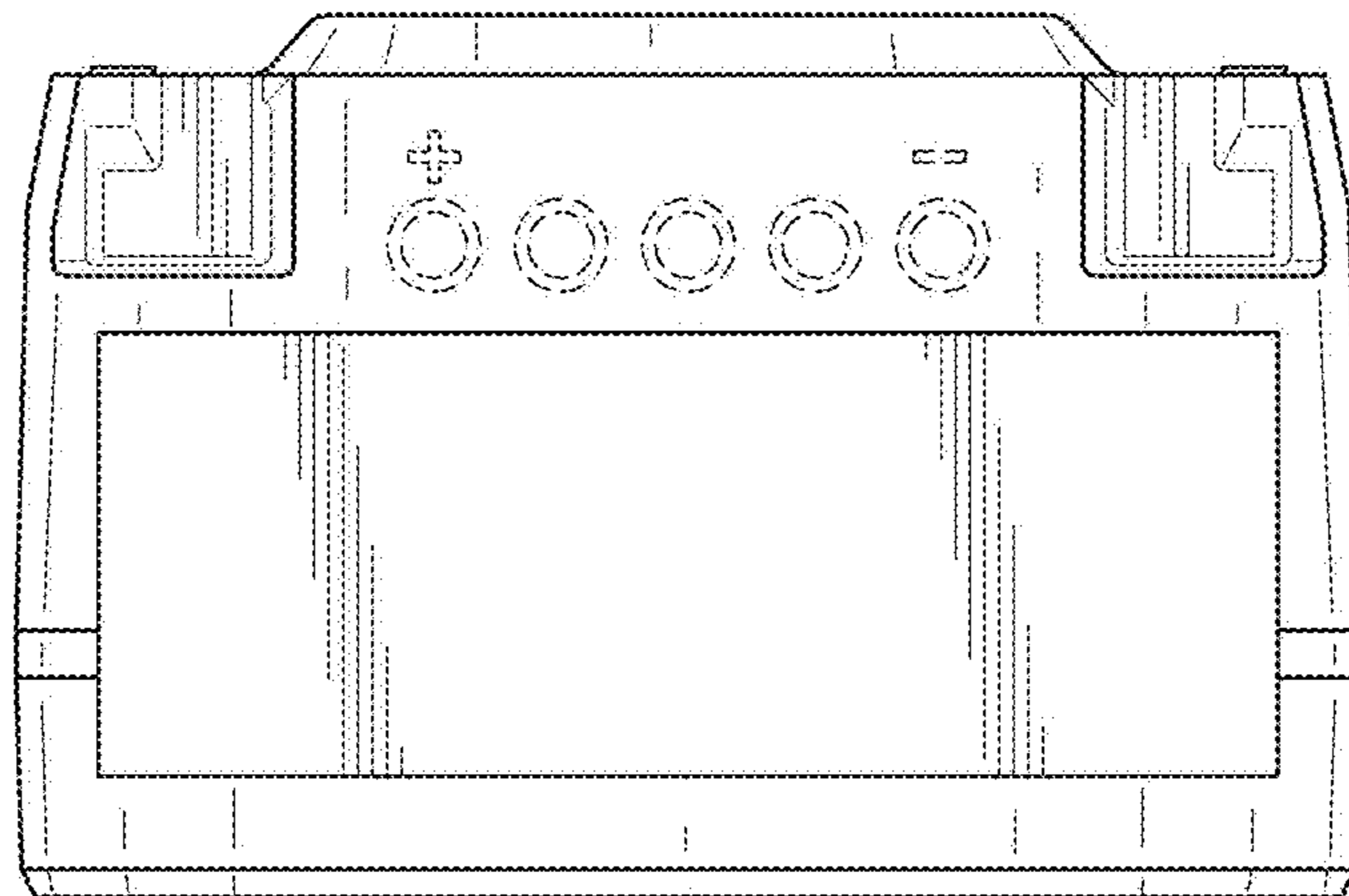


FIG. 4

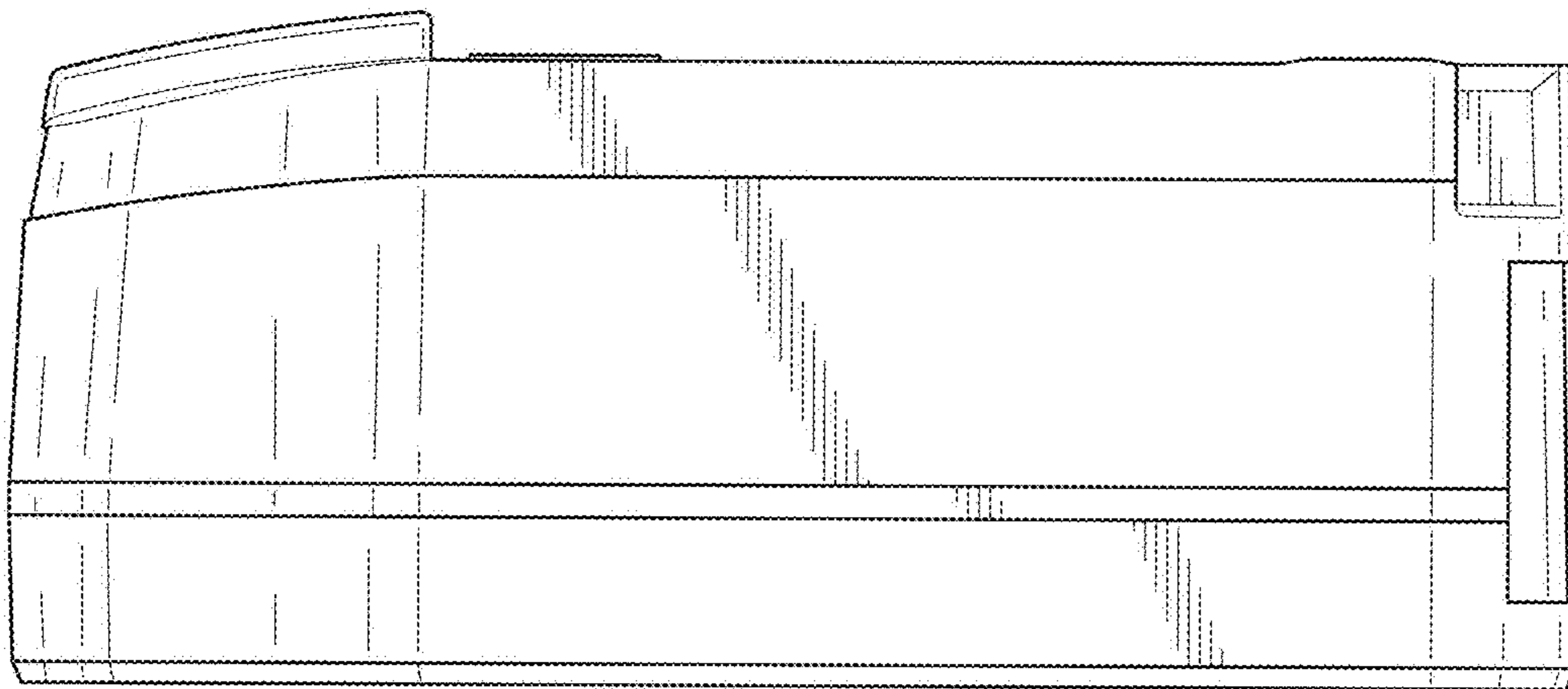


FIG. 5

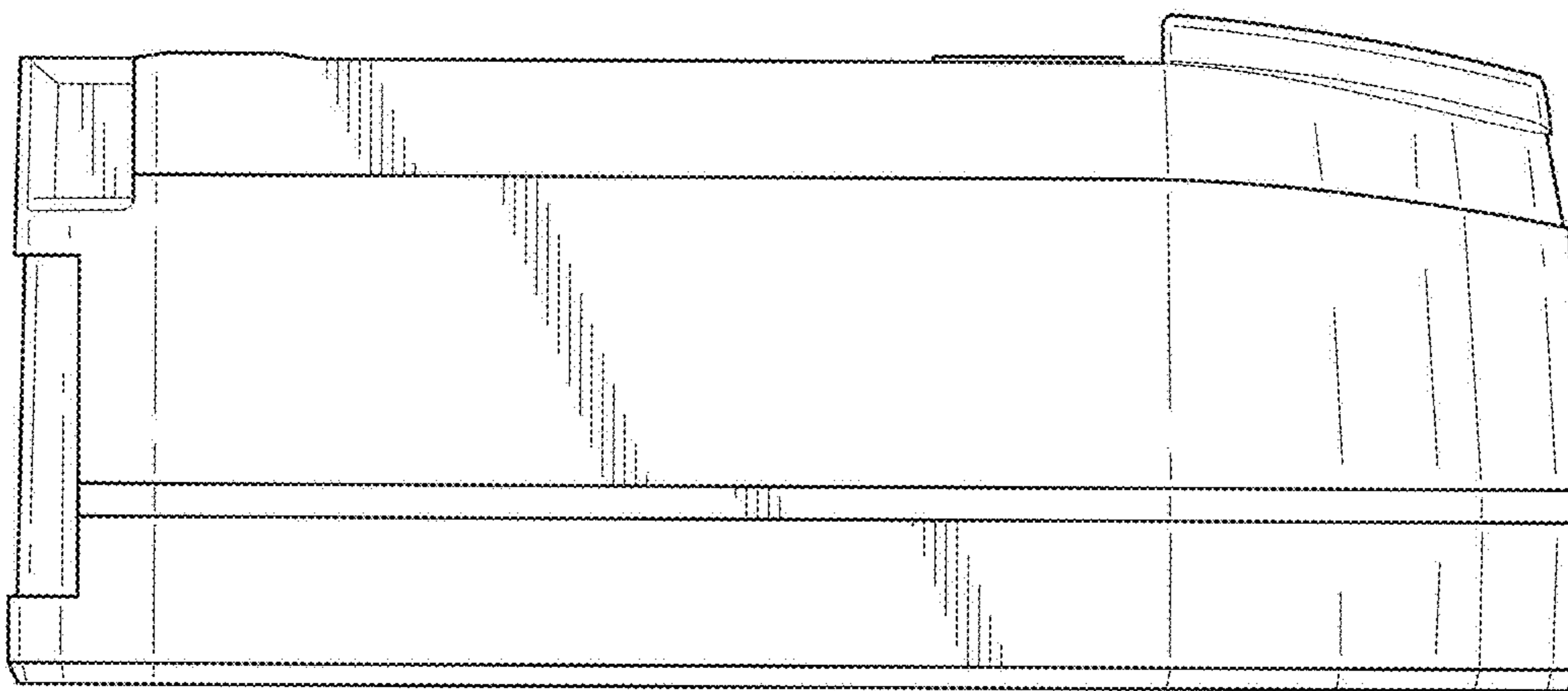


FIG. 6

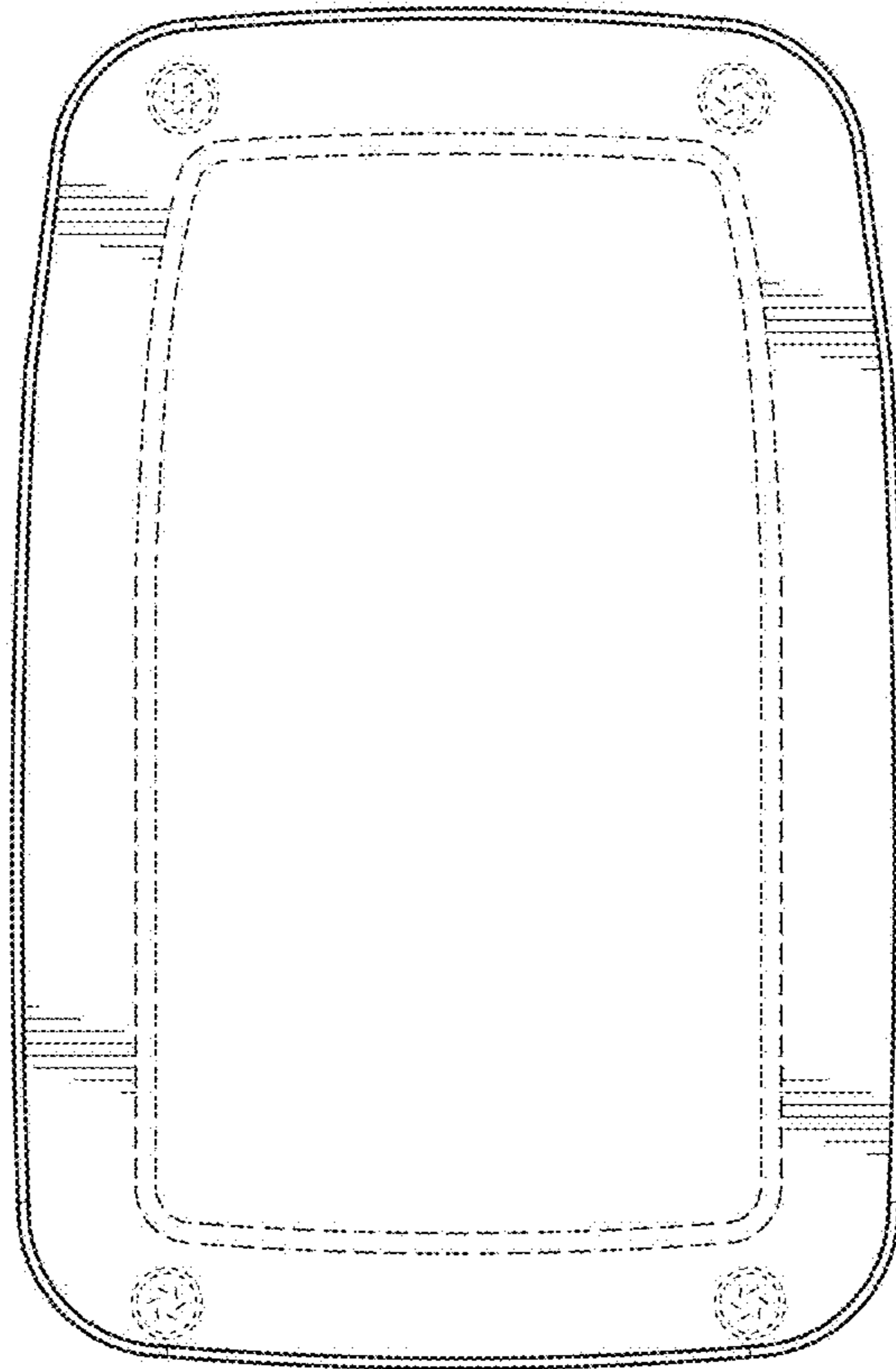


FIG. 7

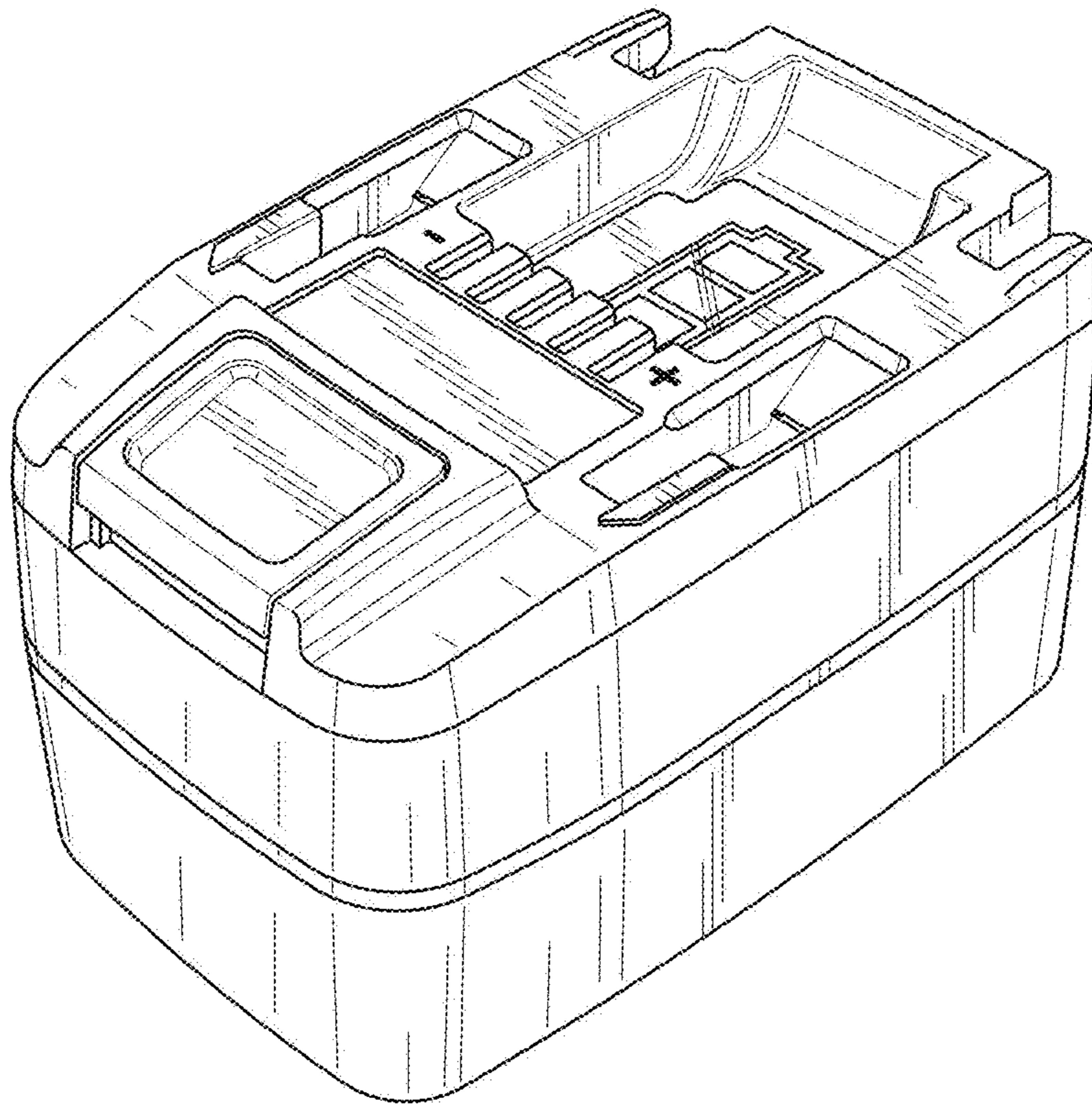


FIG. 8

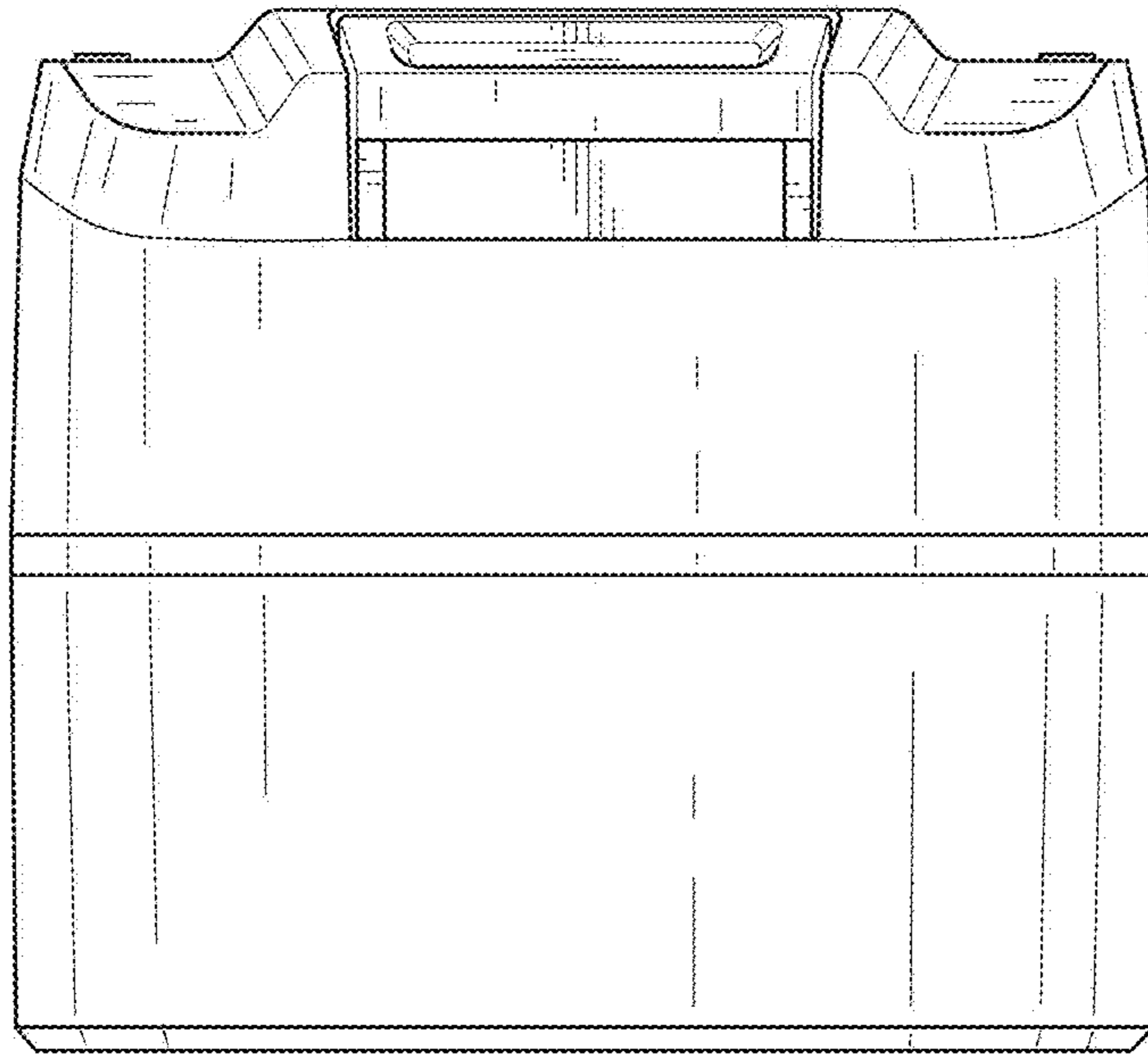


FIG. 9

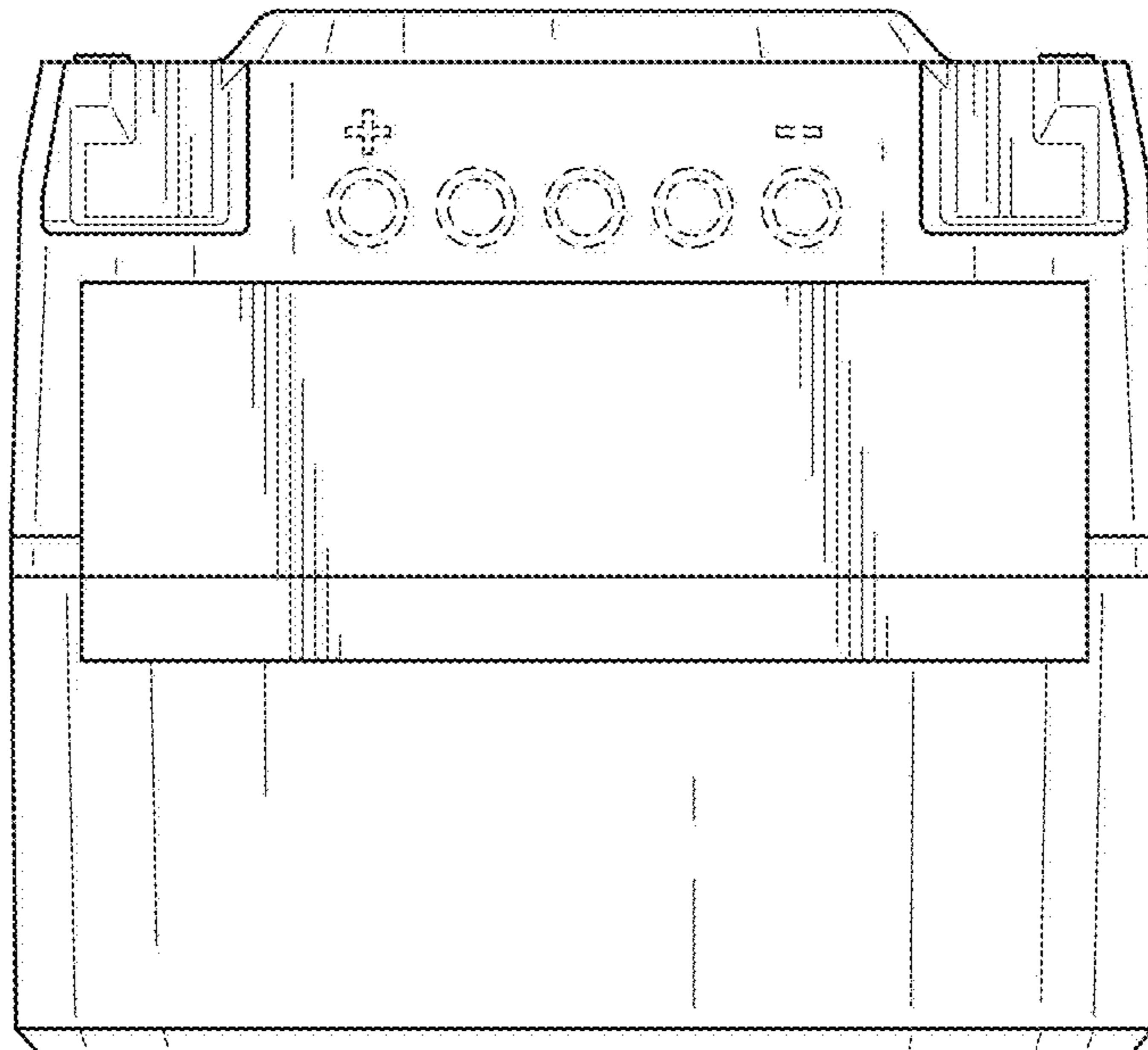


FIG. 10

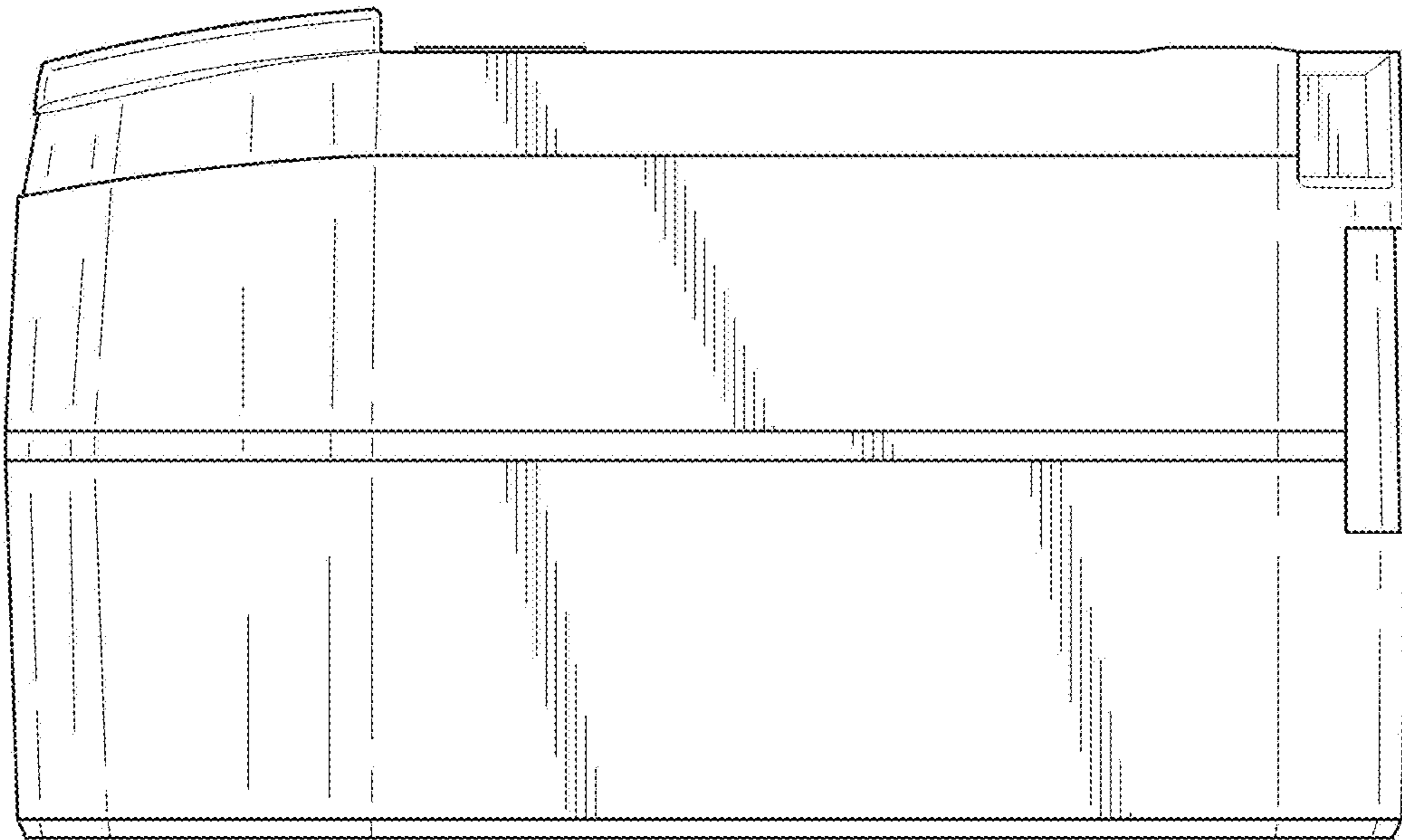


FIG. 11

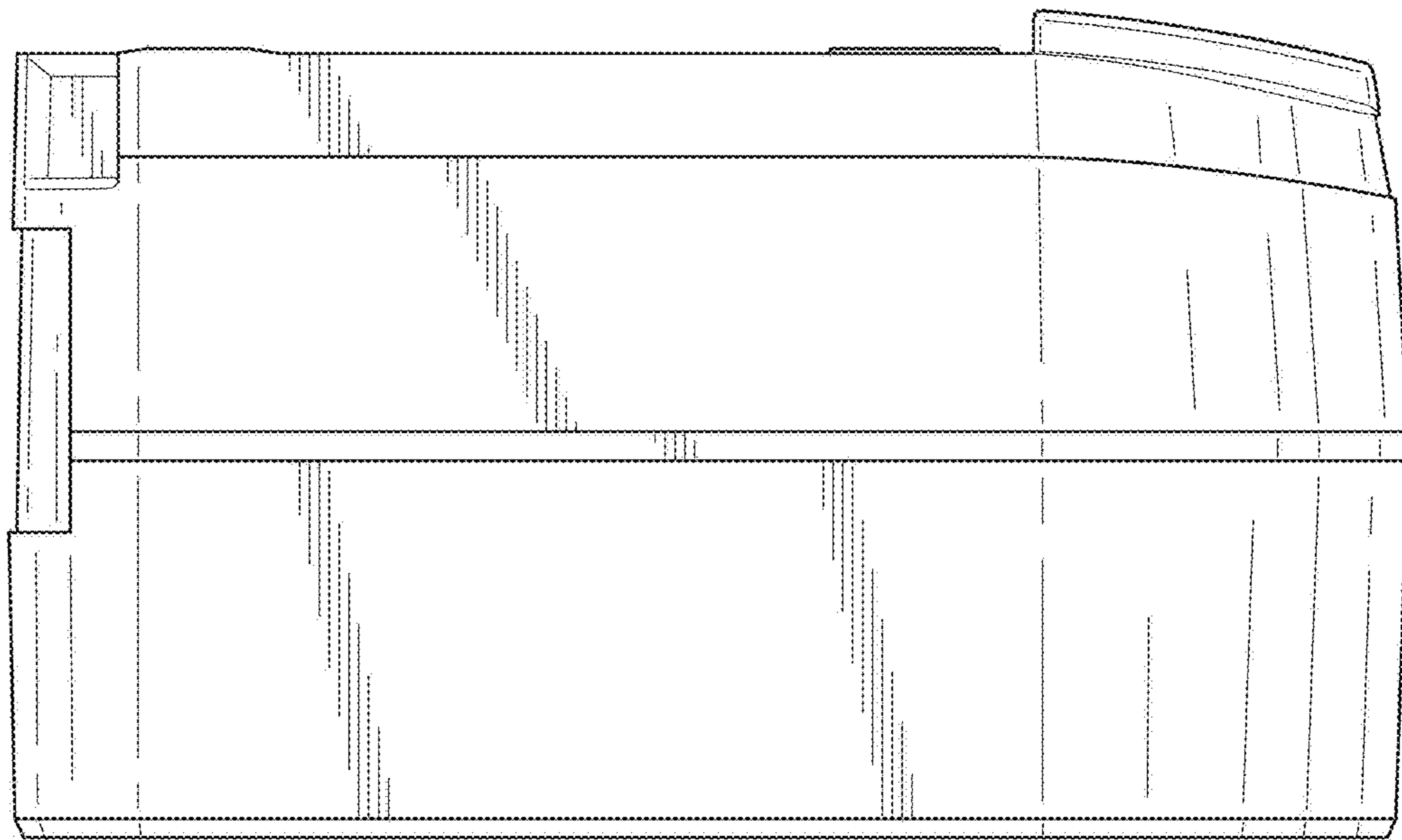


FIG. 12

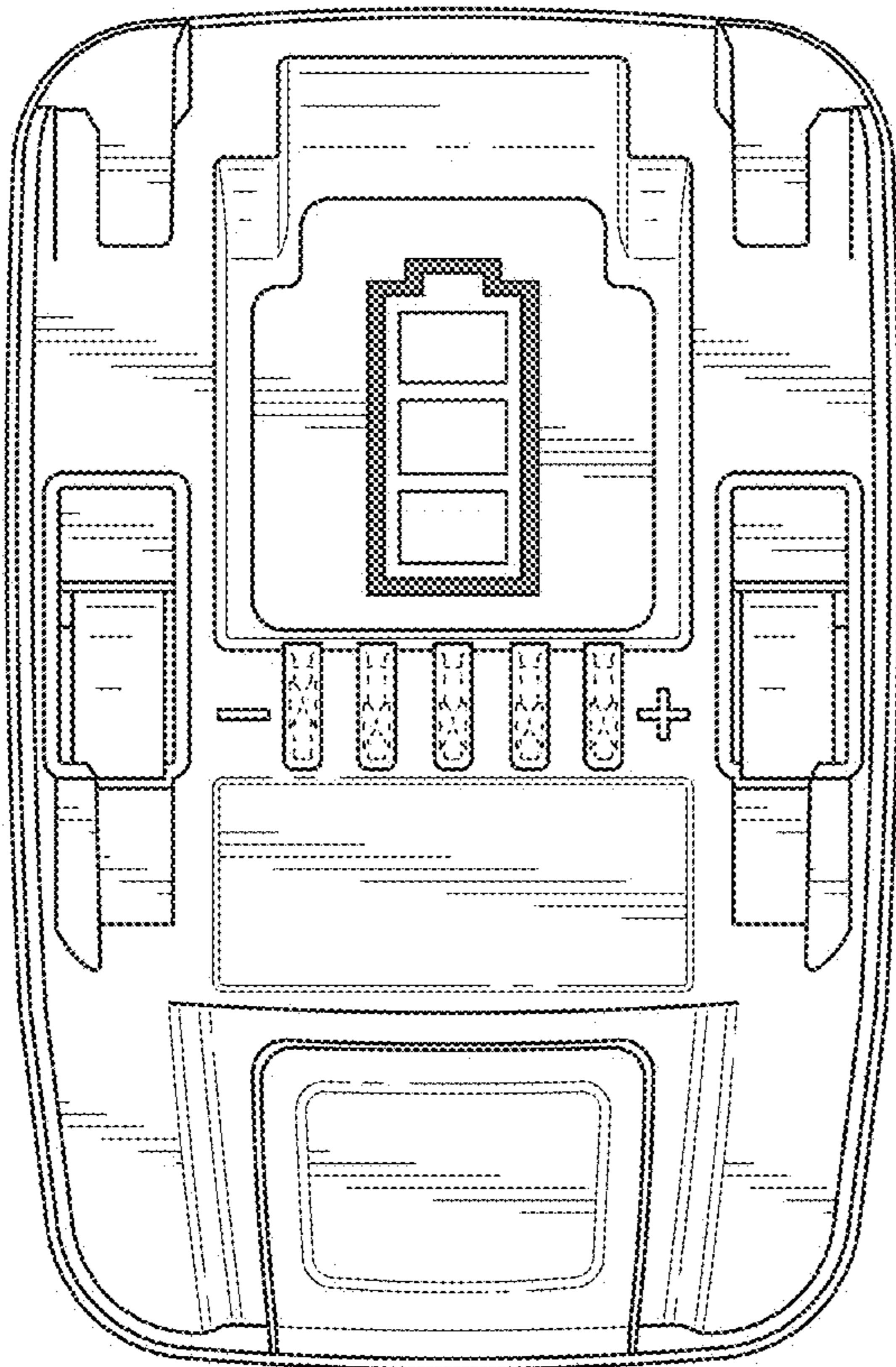


FIG. 13

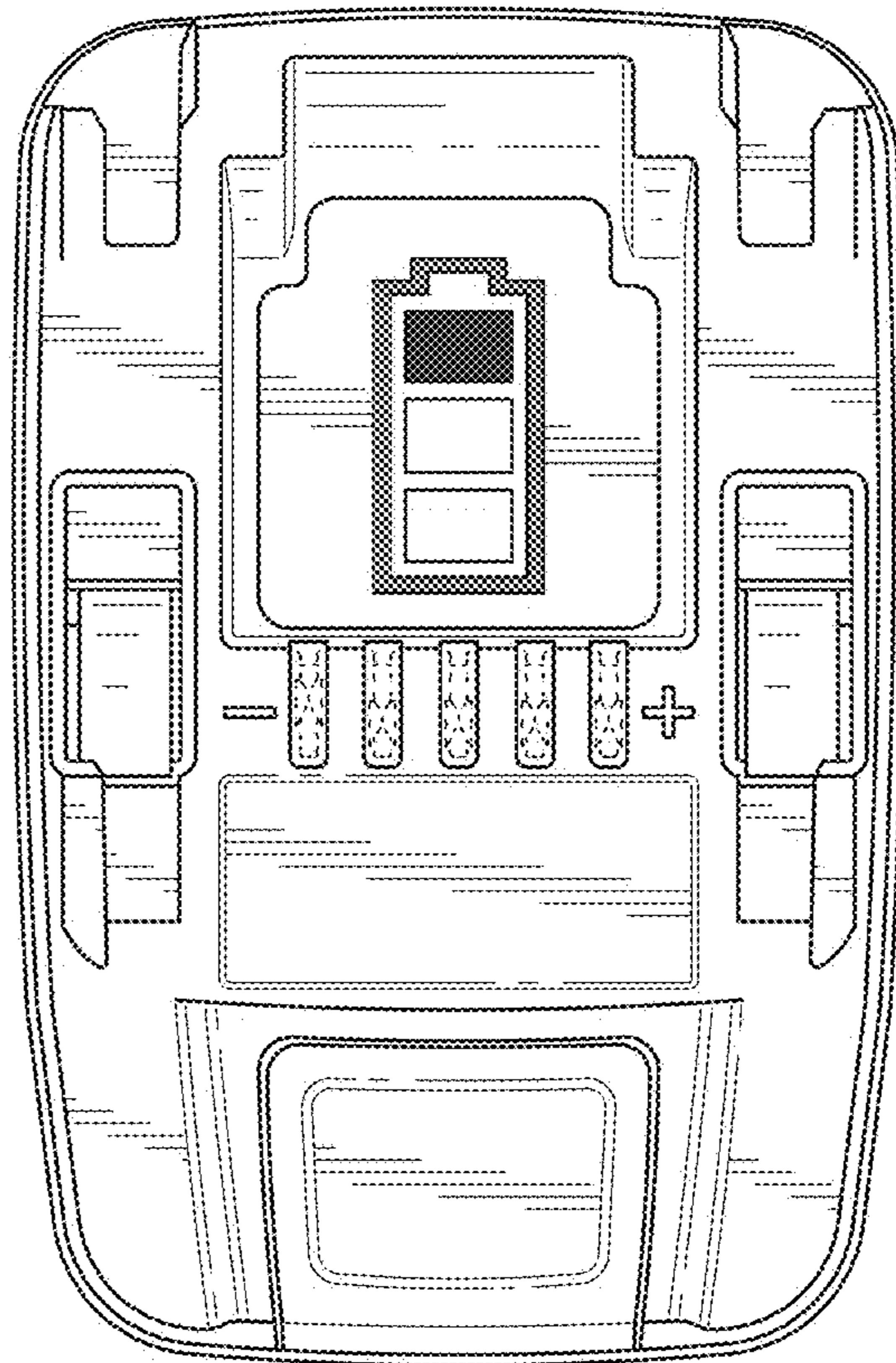


FIG. 14

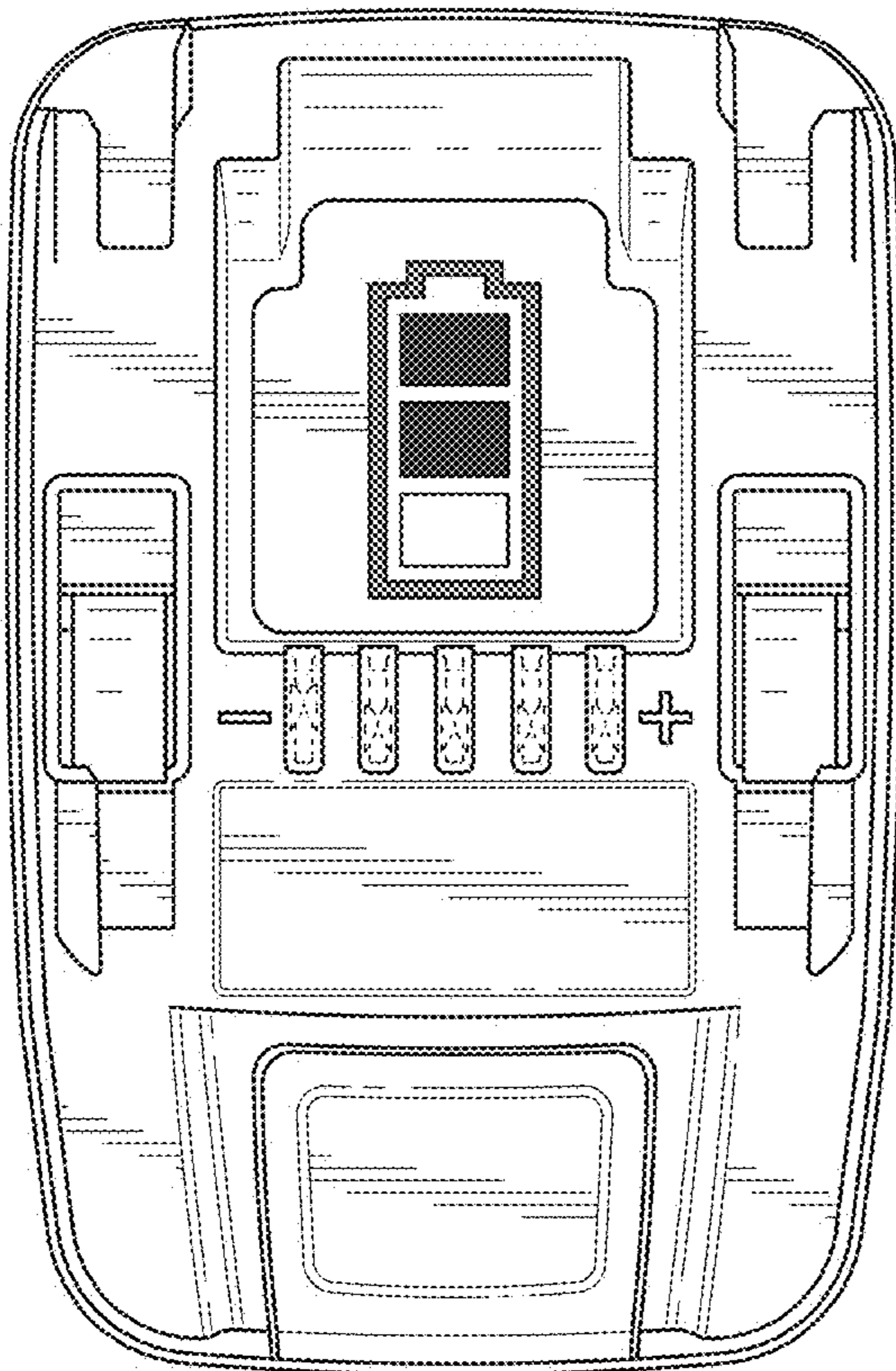


FIG. 15

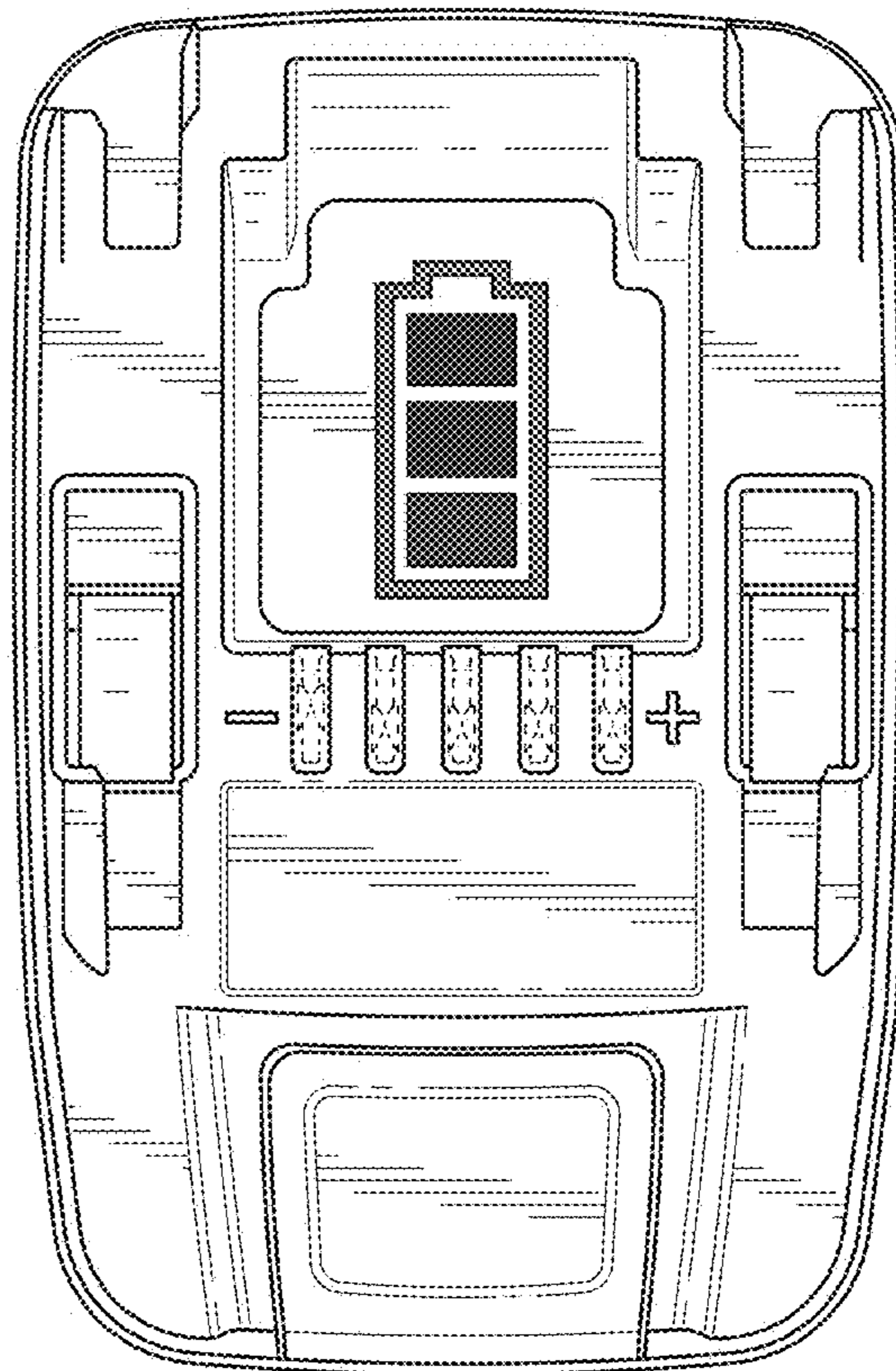


FIG. 16

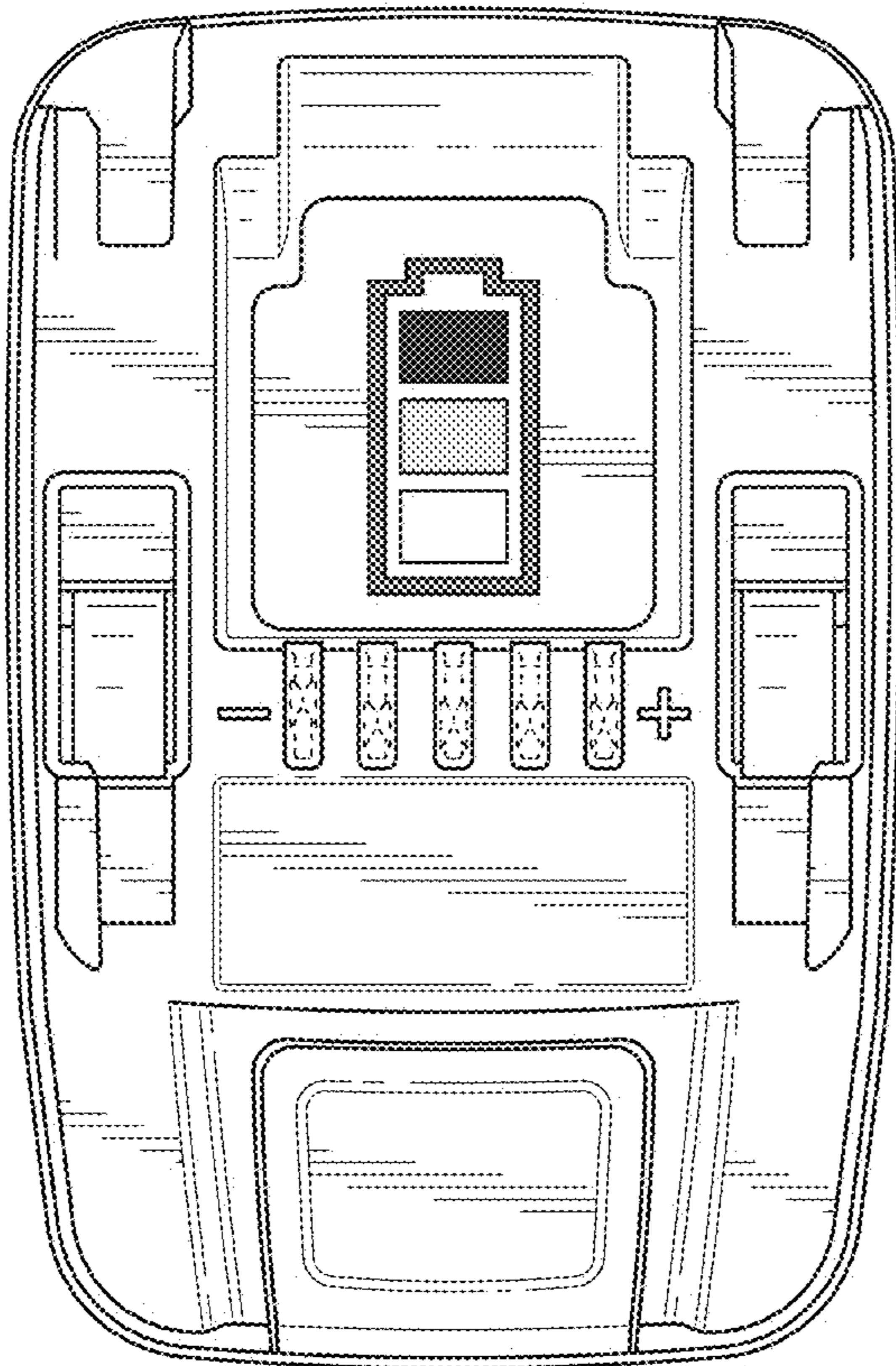


FIG. 17

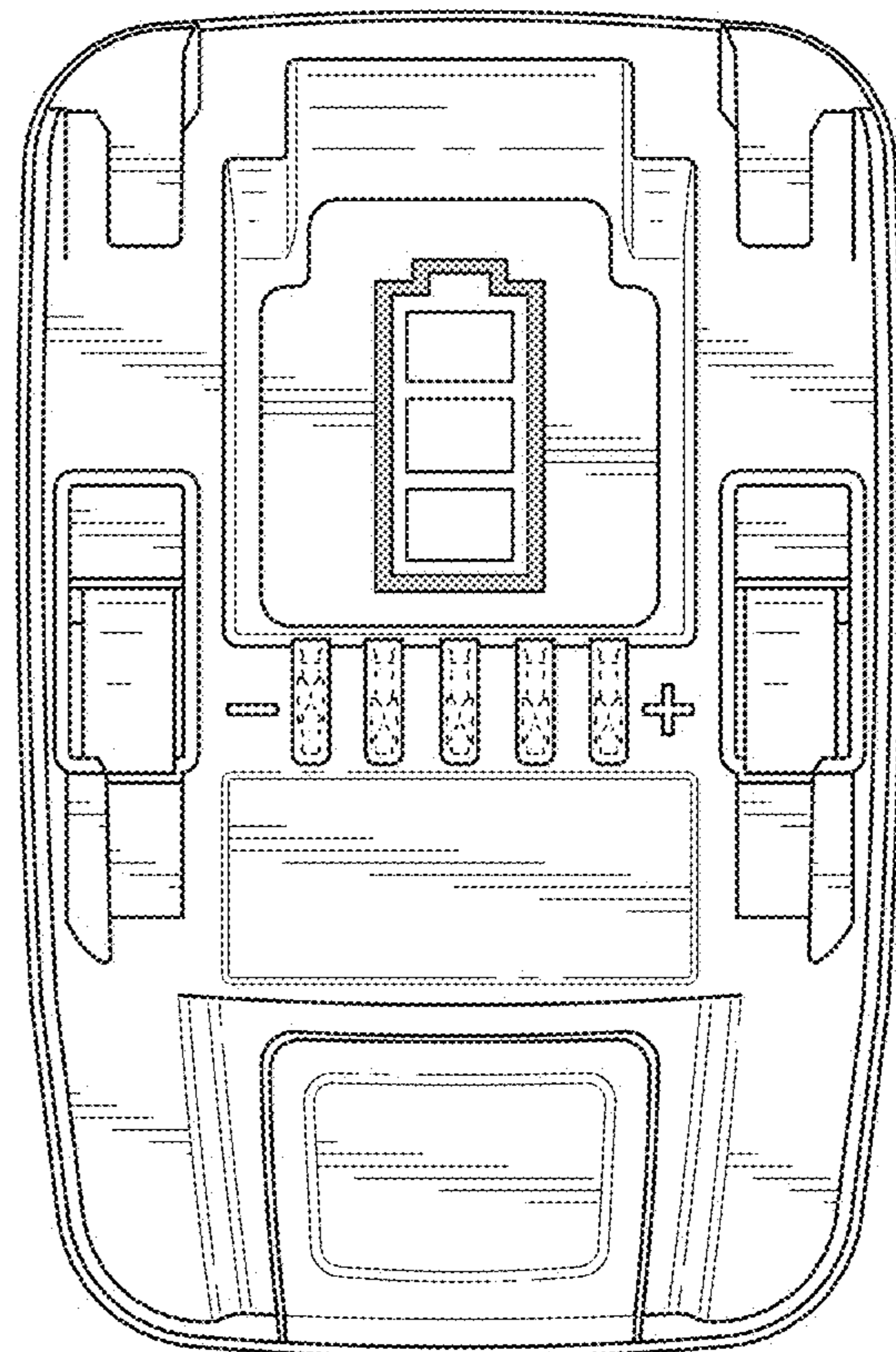


FIG. 18

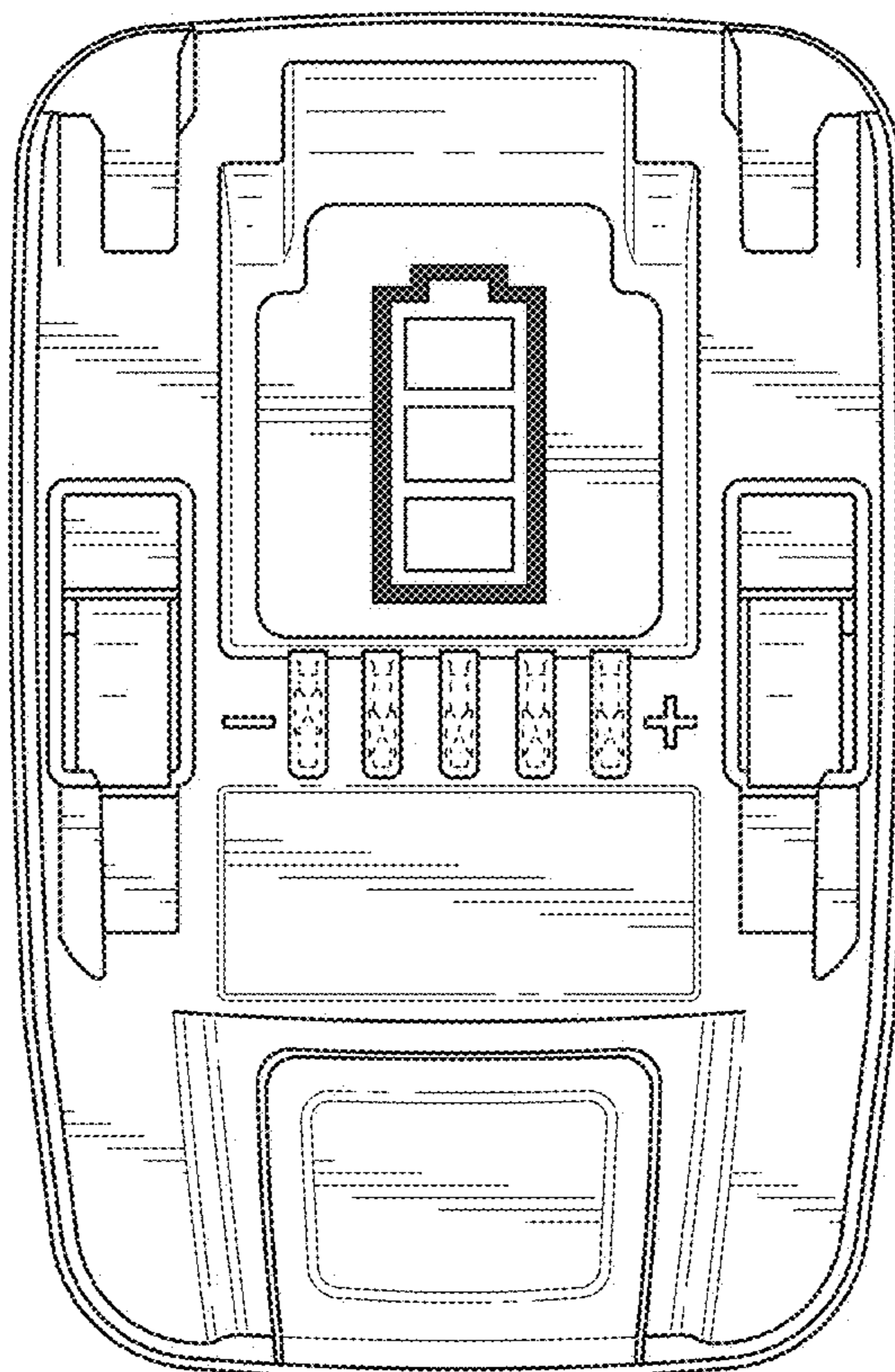


FIG. 19

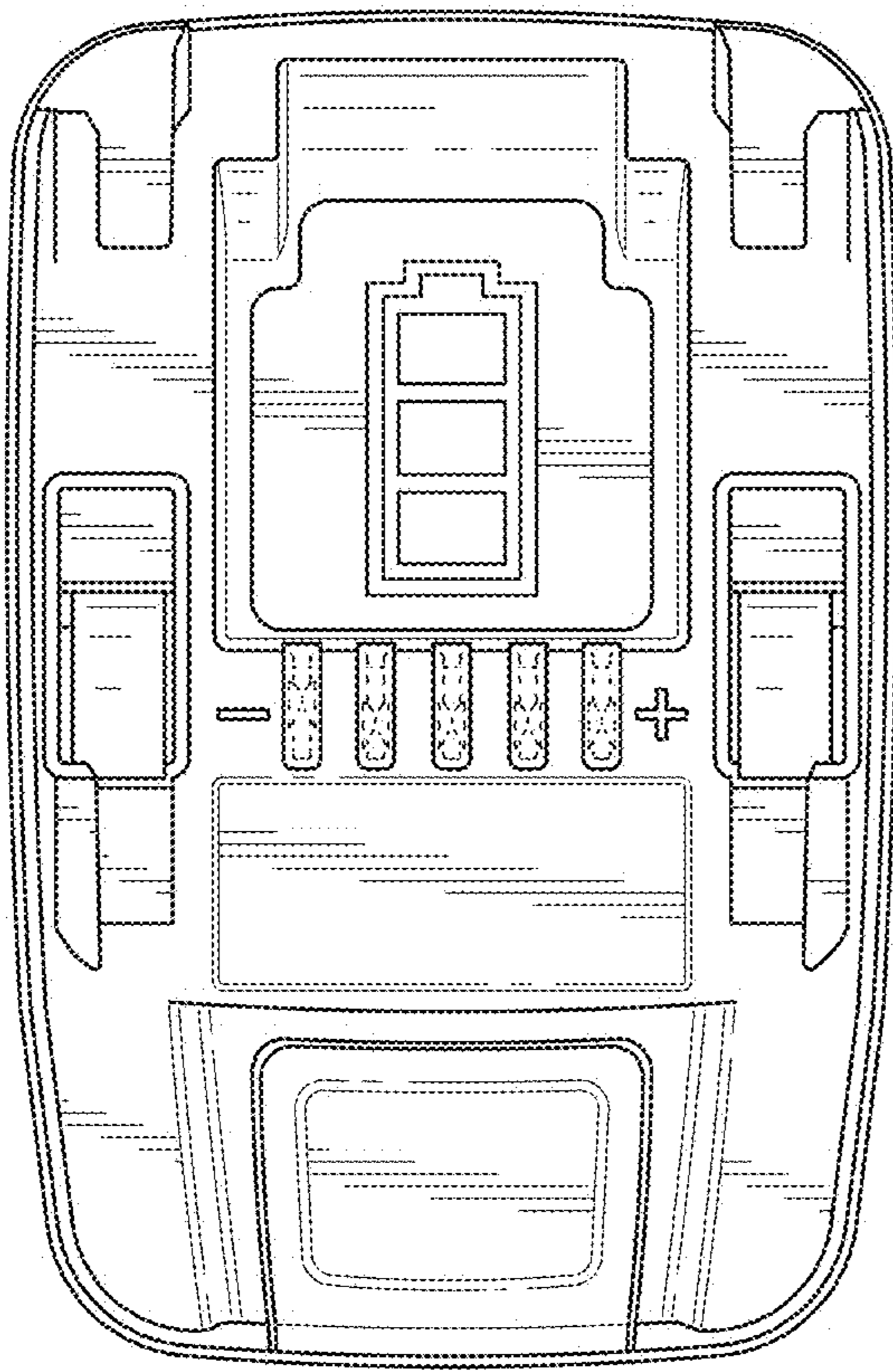


FIG. 20

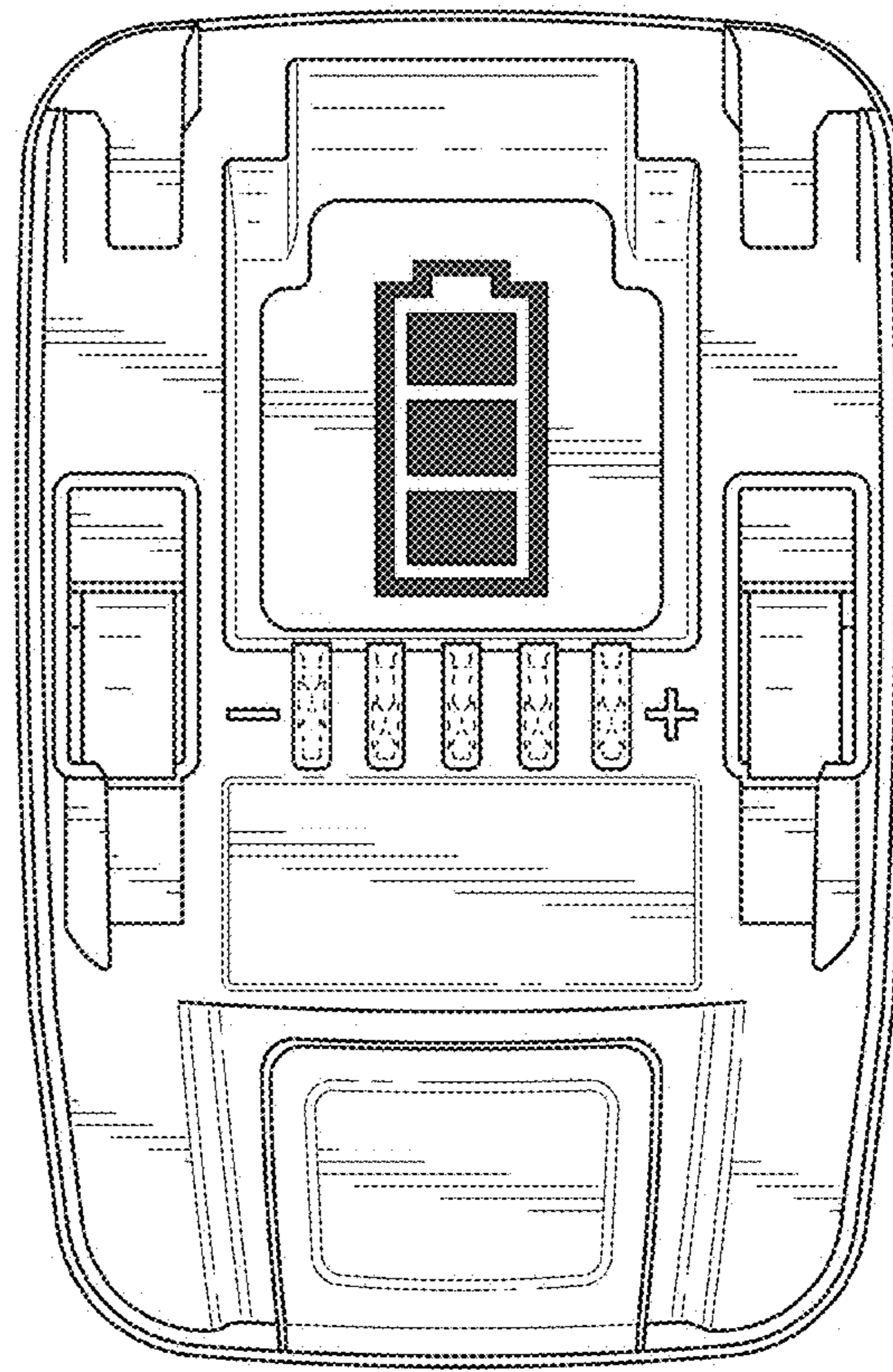


FIG. 21