



US00D916959S

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

(10) **Patent No.:** **US D916,959 S**

(45) **Date of Patent:** **** Apr. 20, 2021**

(54) **INK CARTRIDGE**

(71) Applicant: **Yoshihisa Minagawa**, Ohta-ku (JP)

(72) Inventor: **Yoshihisa Minagawa**, Ohta-ku (JP)

(73) Assignee: **Ricoh Company, Ltd**, Tokyo (JP)

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

(21) Appl. No.: **29/669,797**

(22) Filed: **Nov. 12, 2018**

(30) **Foreign Application Priority Data**

May 11, 2018 (JP) 2018-010326

(51) **LOC (13) Cl.** **18-02**

(52) **U.S. Cl.**
USPC **D18/56**

(58) **Field of Classification Search**

USPC D15/122, 135-138, 141, 66, 73, 76-78;
D18/53, 59, 50, 14, 19, 54-57, 36-45,
D18/34.4, 34.5, 34.6, 18, 51;
D14/301-303, 307, 345; D6/691.4, 675,
D6/708; D13/107, 108

CPC B41J 2/14; B41J 1/54; B41J 3/4073; B41J
3/4078; B41F 17/22; B41F 17/003; B41F
17/38; B28B 1/001; G03G 15/08; G03G
15/0891; G03G 15/0875; G03G
2215/0827; G03G 2215/0855; G03G
21/1842

See application file for complete search history.

(56) **References Cited**

U.S. PATENT DOCUMENTS

D313,426 S * 1/1991 Berriman D18/56
D354,076 S * 1/1995 Fukuda D18/36
D410,248 S * 5/1999 Gasvoda D18/56
D423,567 S * 4/2000 Ishigami 347/86
D424,612 S * 5/2000 Inoue 347/86

D425,553 S * 5/2000 Gasvoda D18/56
D426,261 S * 6/2000 Gardiner D18/56
D432,567 S * 10/2000 Gasvoda D18/2
D437,610 S * 2/2001 Gasvoda D18/56
D444,497 S * 7/2001 Gasvoda D18/56
D447,513 S * 9/2001 Miyazawa D18/56
D449,068 S * 10/2001 Miyazawa D18/56
D467,964 S * 12/2002 Shinano D18/56
D477,020 S * 7/2003 Seino 347/86
D478,344 S * 8/2003 Kinoshita D18/43
D489,756 S * 5/2004 Matsumoto D18/56
D536,374 S * 2/2007 Shinada 347/86
D540,855 S * 4/2007 Umezawa 347/86
D549,280 S * 8/2007 Morino 347/86
D556,258 S * 11/2007 Morino D18/56
D557,334 S * 12/2007 Morino D18/56

(Continued)

Primary Examiner — George D. Kirschbaum

Assistant Examiner — Mary Claire Ramirez

(74) *Attorney, Agent, or Firm* — Oblon, McClelland,
Maier & Neustadt, L.L.P.

(57) **CLAIM**

The ornamental design for an ink cartridge, as shown and described.

DESCRIPTION

FIG. 1 is a front, top, and left side perspective view of an ink cartridge showing the new design;

FIG. 2 is a rear, bottom, and right side perspective view thereof;

FIG. 3 is a right side elevational view thereof;

FIG. 4 is a left side elevational view thereof;

FIG. 5 is a top plan view thereof;

FIG. 6 is a bottom plan view thereof;

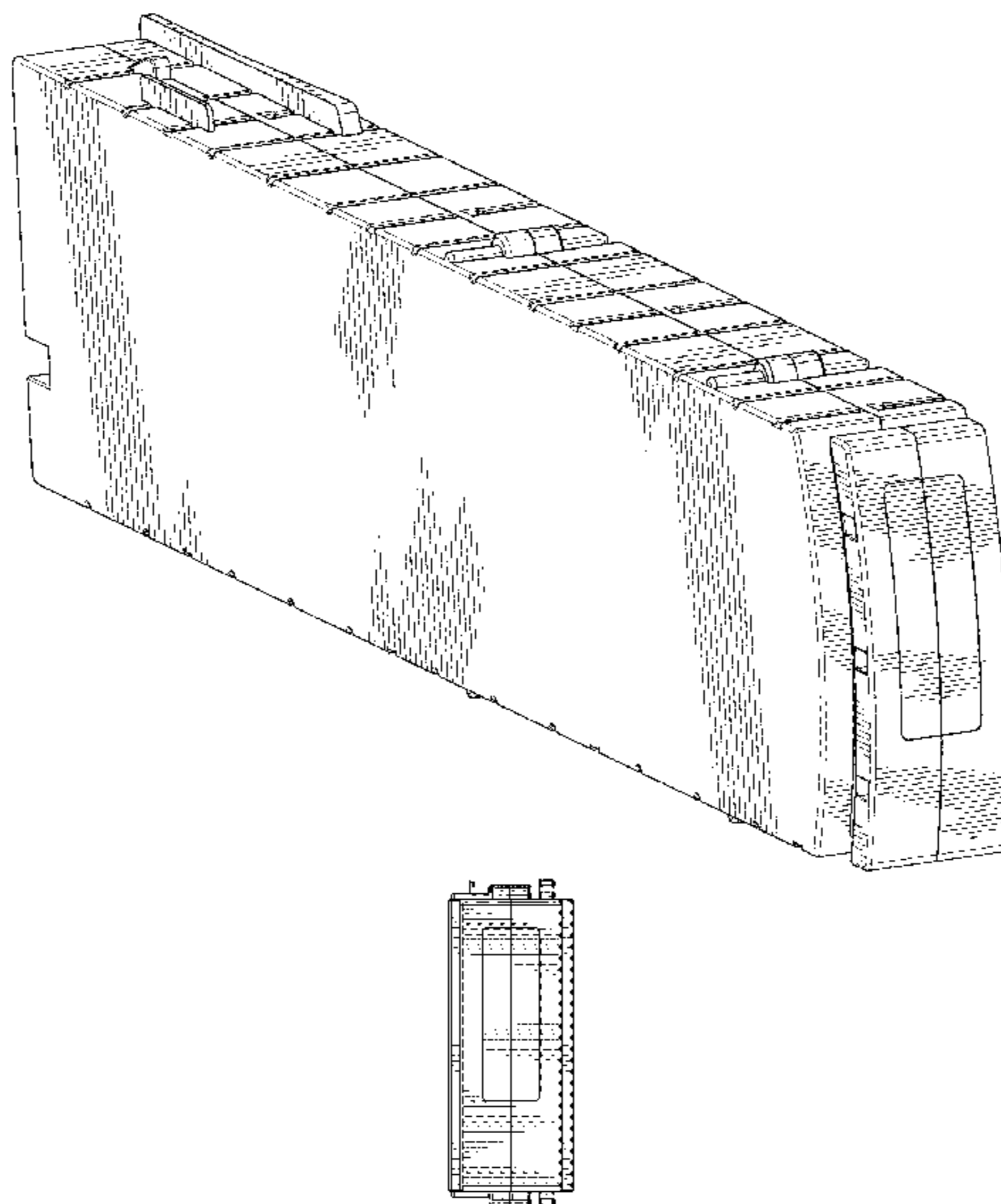
FIG. 7 is a rear elevational view thereof;

FIG. 8 is a front elevational view thereof; and,

FIG. 9 is an enlarged rear elevational view thereof.

The broken lines shown in the figures are for the purpose of illustrating portions of the ink cartridge that form no part of the claimed design.

1 Claim, 6 Drawing Sheets



(56)

References Cited

U.S. PATENT DOCUMENTS

D559,893 S * 1/2008 Kouroku D18/40
D569,421 S * 5/2008 Matsumoto 347/86
D580,485 S * 11/2008 Park D18/43
D580,971 S * 11/2008 Yuen D18/56
D586,849 S * 2/2009 Nozawa 347/86
D587,748 S * 3/2009 Anderson, Jr. D18/56
D591,340 S * 4/2009 Nozawa 347/86
D592,241 S * 5/2009 Nozawa 347/86
D595,767 S * 7/2009 Hashimoto 347/86
D629,040 S * 12/2010 Ricci D18/56
D637,227 S * 5/2011 Deng D18/56
D650,419 S * 12/2011 Butler D18/56
D656,184 S * 3/2012 Iwamuro D18/56
D656,185 S * 3/2012 Oya D18/56
D656,540 S * 3/2012 Oya D18/56
D666,240 S * 8/2012 Kawate D18/56
D677,722 S * 3/2013 Mizuno D18/56
D678,404 S * 3/2013 Saito D18/56
D678,405 S * 3/2013 Okuda D18/56
D678,408 S * 3/2013 Egami D18/56
D682,929 S * 5/2013 Aoki D18/56
D682,930 S * 5/2013 Aoki D18/56
D695,823 S * 12/2013 Nozawa D18/56
8,931,887 B2 * 1/2015 Aoki B41J 2/1721
347/86
8,960,871 B2 * 2/2015 Karasawa B41J 2/17566
347/86
D767,674 S * 9/2016 Nanjo D18/56
9,440,755 B2 * 9/2016 Aoki B65B 3/045
D787,586 S * 5/2017 Van Den Broecke D18/56
D817,392 S * 5/2018 Koizumi D18/56

* cited by examiner

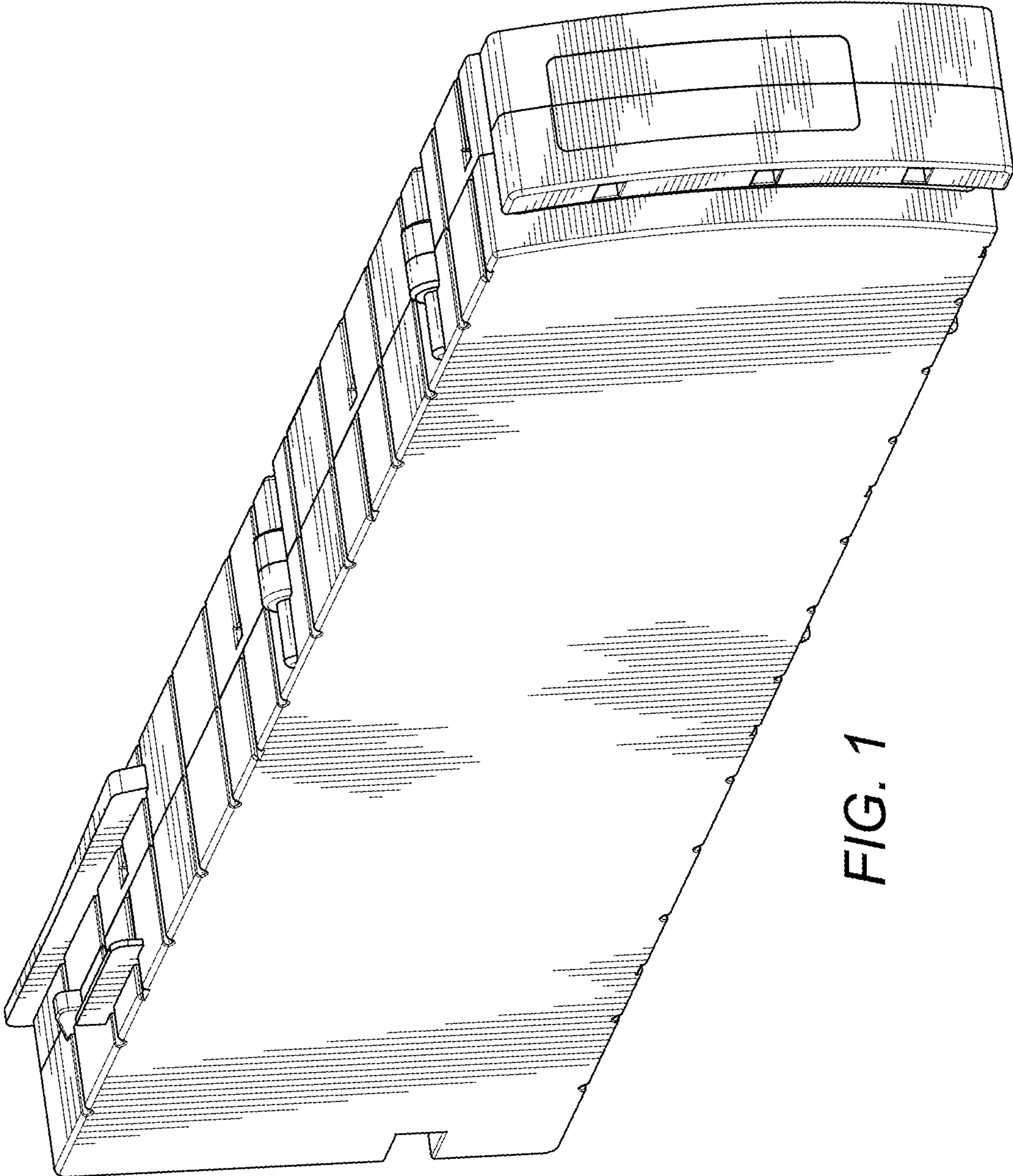


FIG. 1

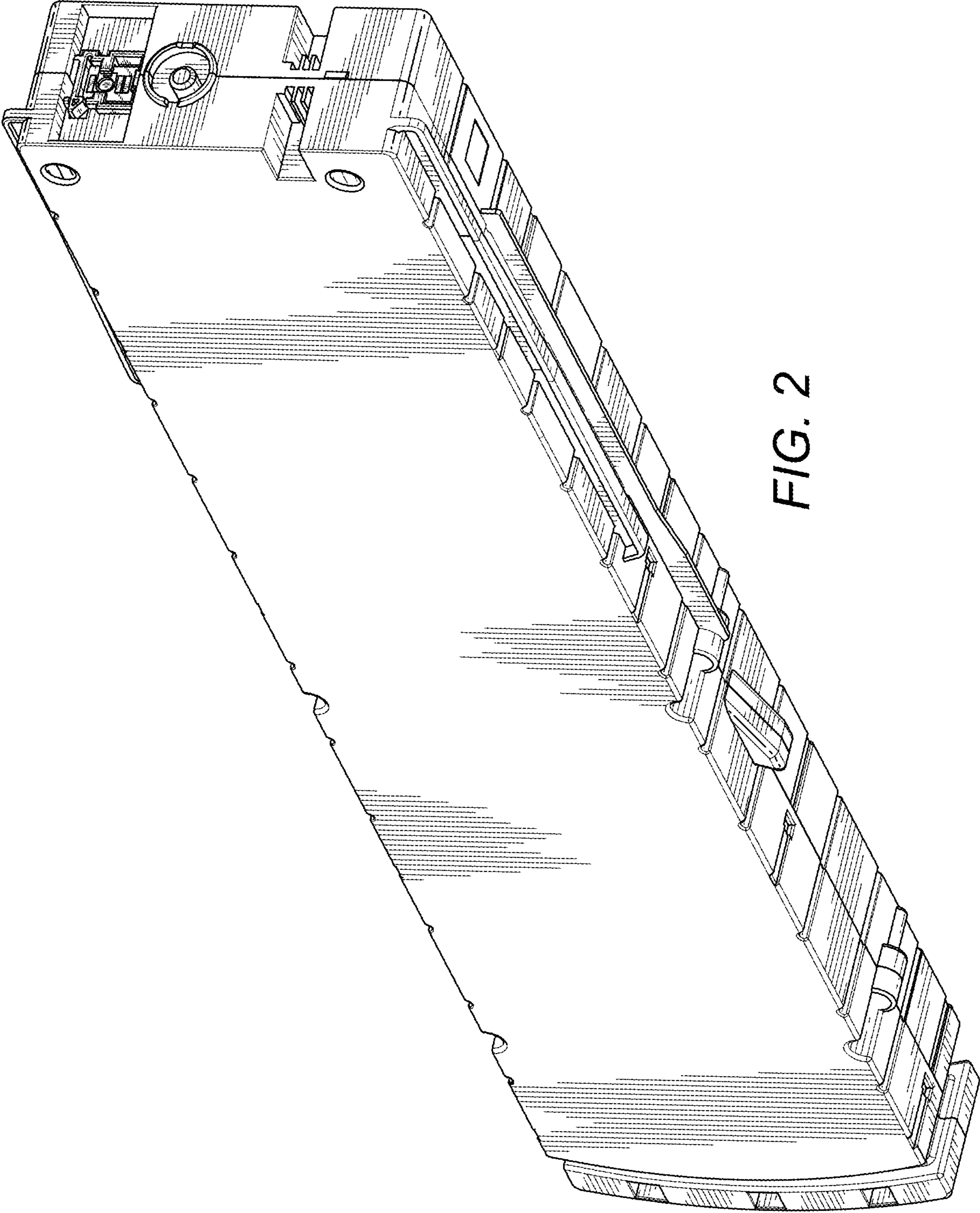


FIG. 2

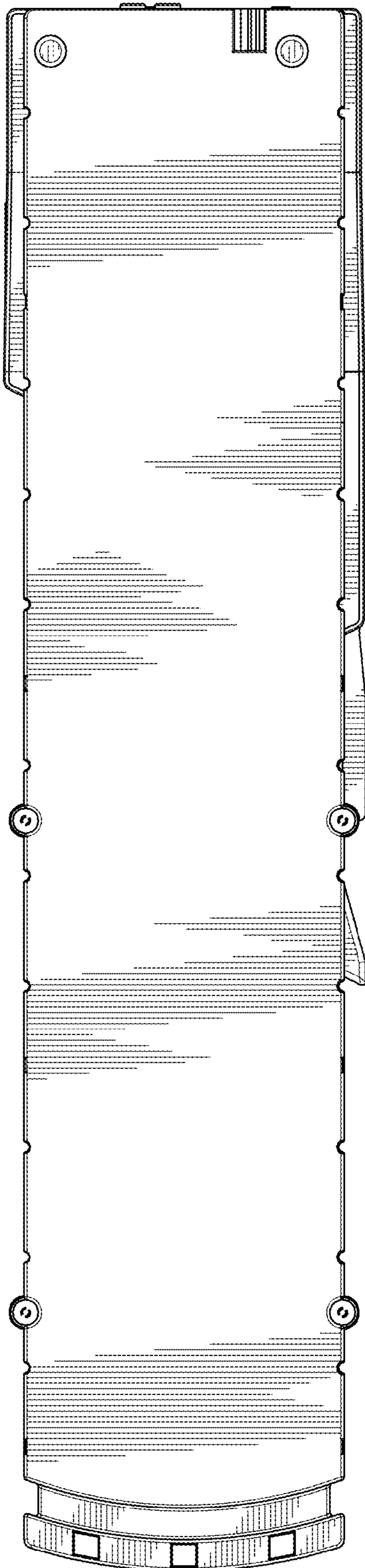


FIG. 3

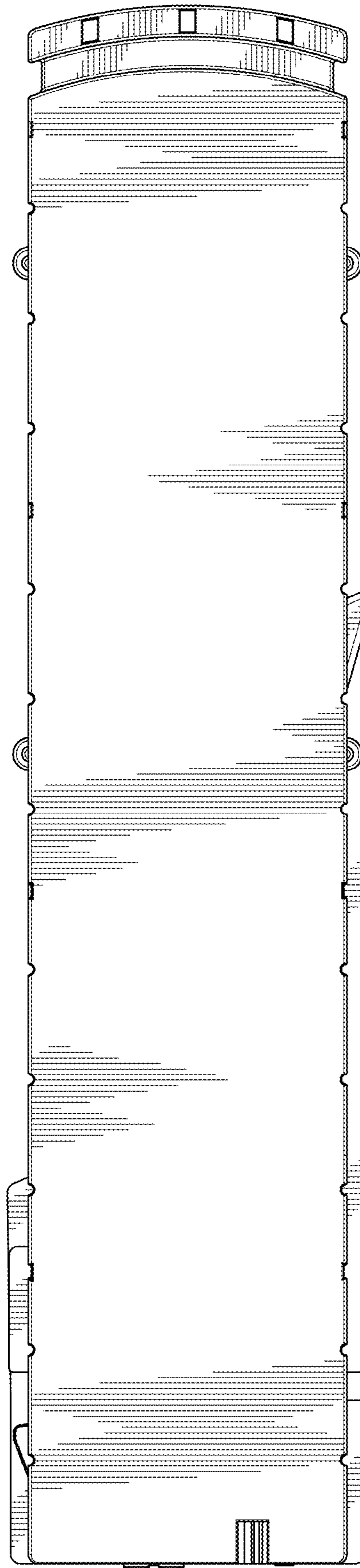


FIG. 4

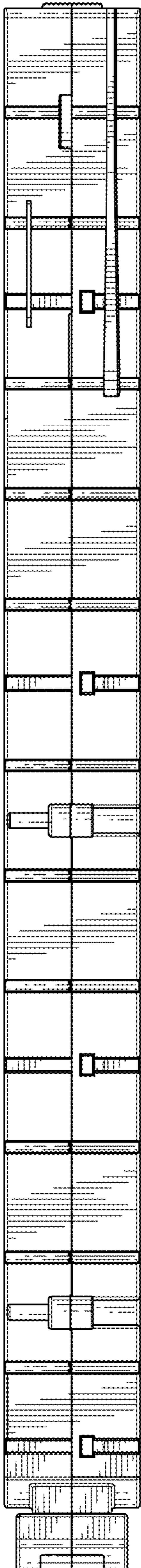


FIG. 5

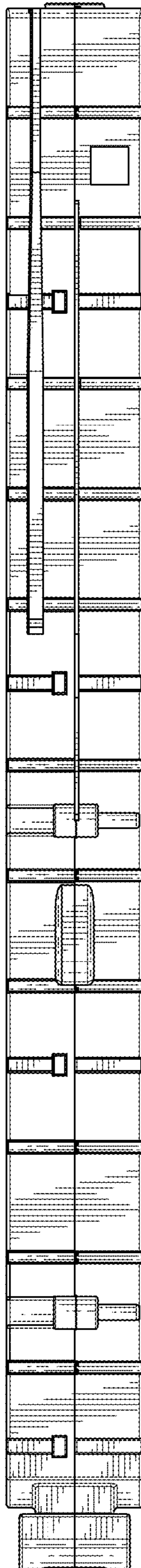


FIG. 6

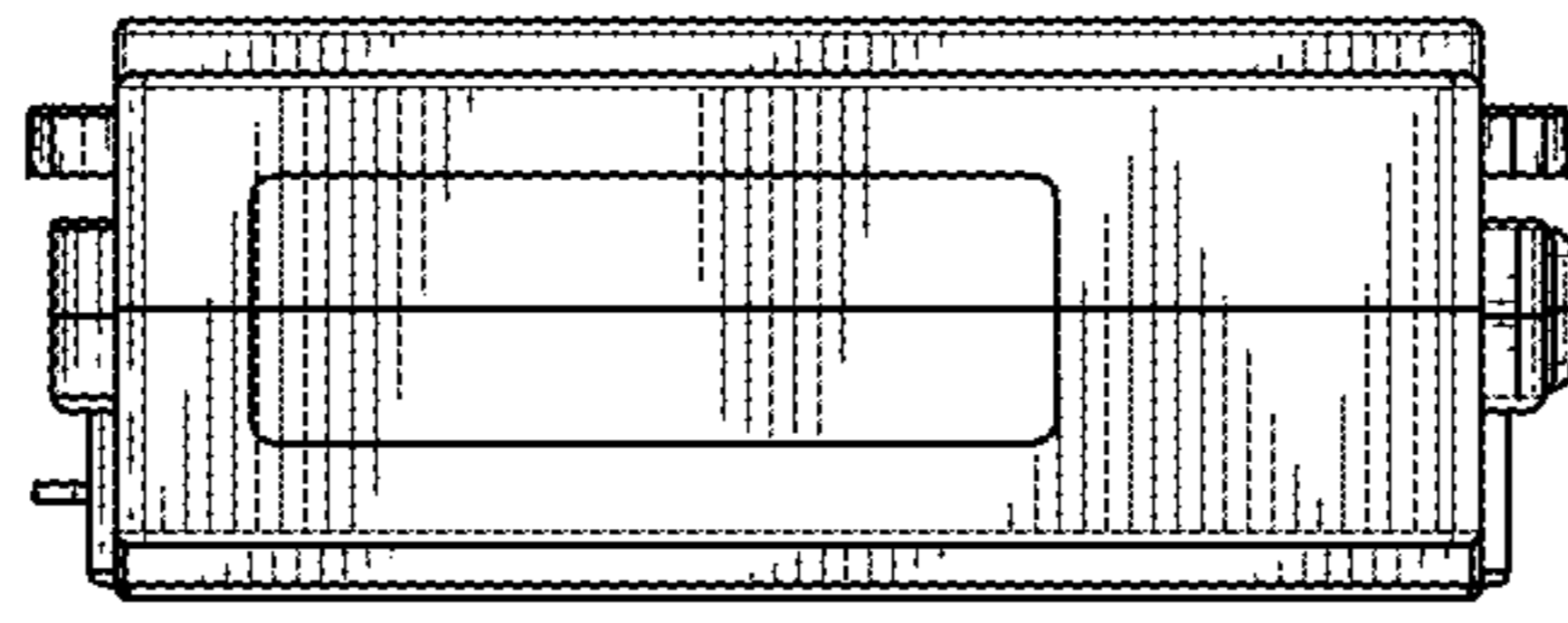


FIG. 8

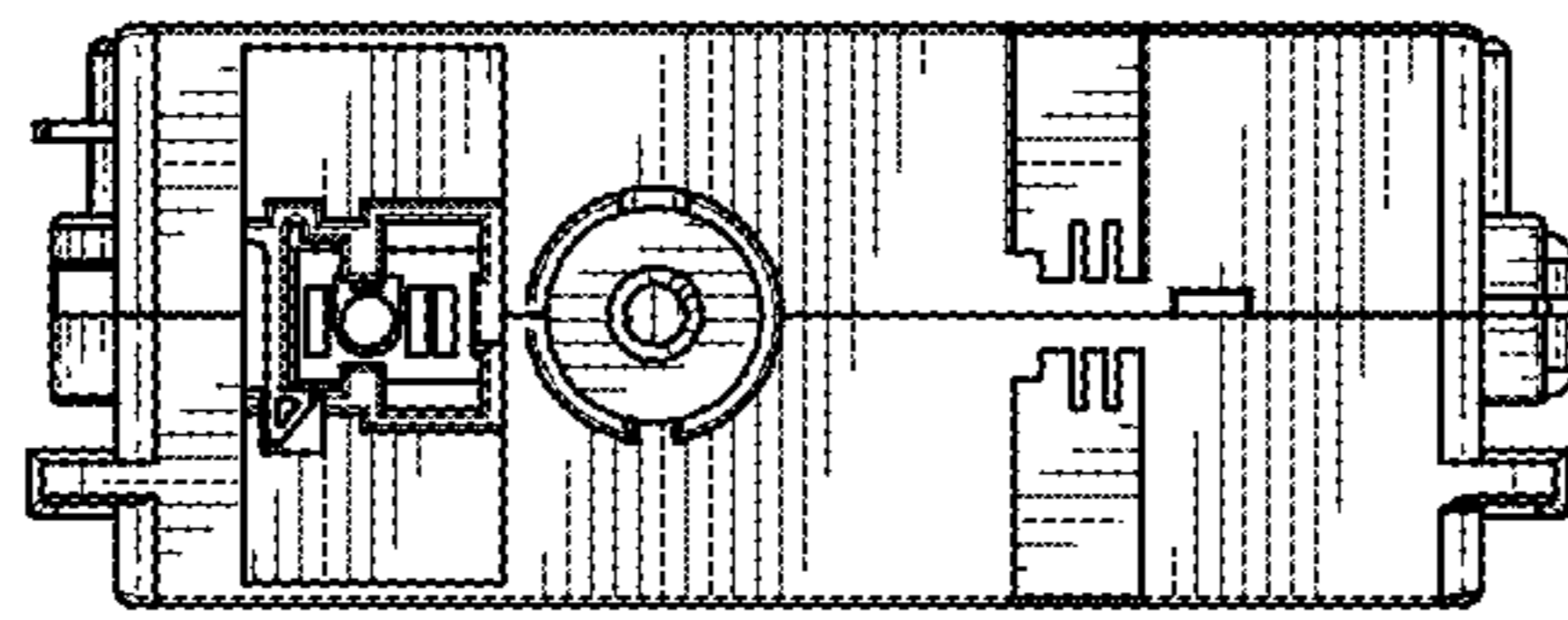


FIG. 7

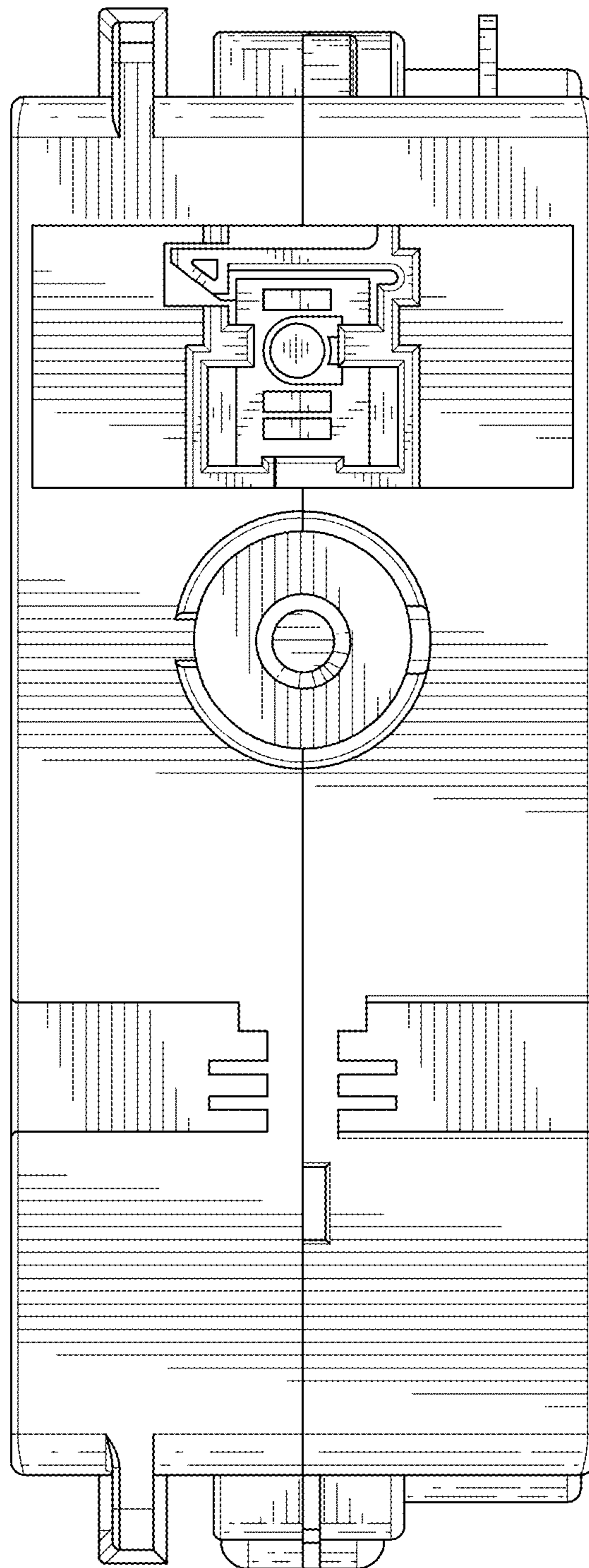


FIG. 9