



US00D761069S

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

(10) **Patent No.:** **US D761,069 S**
(45) **Date of Patent:** **** Jul. 12, 2016**

(54) **PORTABLE ELECTRIC DRIVER**

(56) **References Cited**

(71) Applicant: **Hitachi Koki Co., Ltd.**, Minato-Ku,
Tokyo (JP)

U.S. PATENT DOCUMENTS

(72) Inventors: **Yoshiki Aoki**, Hitachinaka (JP); **Shinichi Kakefuda**, Hitachinaka (JP); **Masayuki Ogura**, Hitachinaka (JP); **Masanori Okada**, Hitachinaka (JP); **Junichi Tokairin**, Hitachinaka (JP)

| | | | |
|--------------|---------|-----------------------|-------|
| D392,863 S * | 3/1998 | Sugimoto et al. | D8/68 |
| 6,308,378 B1 | 10/2001 | Mooty et al. | |
| D508,642 S * | 8/2005 | Kokawa et al. | D8/68 |
| D524,136 S * | 7/2006 | Taniguchi et al. | D8/68 |
| D525,099 S * | 7/2006 | Nagasaka et al. | D8/68 |
| D546,154 S | 7/2007 | Fong et al. | |
| D551,527 S | 9/2007 | Aglassinger | |
| D578,854 S * | 10/2008 | Lopano | D8/68 |
| D584,123 S * | 1/2009 | Lopano | D8/68 |
| D585,716 S * | 2/2009 | Taniguchi et al. | D8/68 |
| 7,492,125 B2 | 2/2009 | Serdynski et al. | |
| D589,317 S | 3/2009 | Okuda | |

(73) Assignee: **Hitachi Koki Co., Ltd.**, Minato-Ku,
Tokyo (JP)

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

(Continued)

(21) Appl. No.: **29/494,103**

OTHER PUBLICATIONS

(22) Filed: **Jun. 17, 2014**

Hitachi Koki Co., Ltd., Hitachi Cordless Driver Drills—14.4V / 18V Cordless Driver Drills with Brushless Motors' Electronic Leaflet, <http://www.hitachi-koki.com>, Mar. 10, 2014, 2 sheets.

Related U.S. Application Data

(62) Division of application No. 29/470,194, filed on Oct. 18, 2013, now Pat. No. Des. 715,617.

Primary Examiner — Philip S Hyder

Assistant Examiner — Darlington Ly

(74) *Attorney, Agent, or Firm* — Banner & Witcoff, Ltd.

(30) **Foreign Application Priority Data**

Apr. 19, 2013 (JP) 2013-008913

Apr. 19, 2013 (JP) 2013-008914

(51) **LOC (10) Cl.** **08-03**

(52) **U.S. Cl.**
USPC **D8/68**

(58) **Field of Classification Search**
USPC D8/61, 67, 68; 81/57.4, 489; 173/48,
173/109, 170, 178, 217; 408/124, 125;
362/119; 475/149
CPC B62D 23/005; B62D 29/00; B62D 29/043;
B62D 31/00; B62D 33/046; B62D 35/00;
B62D 35/001; B60Q 1/0005
See application file for complete search history.

(57)

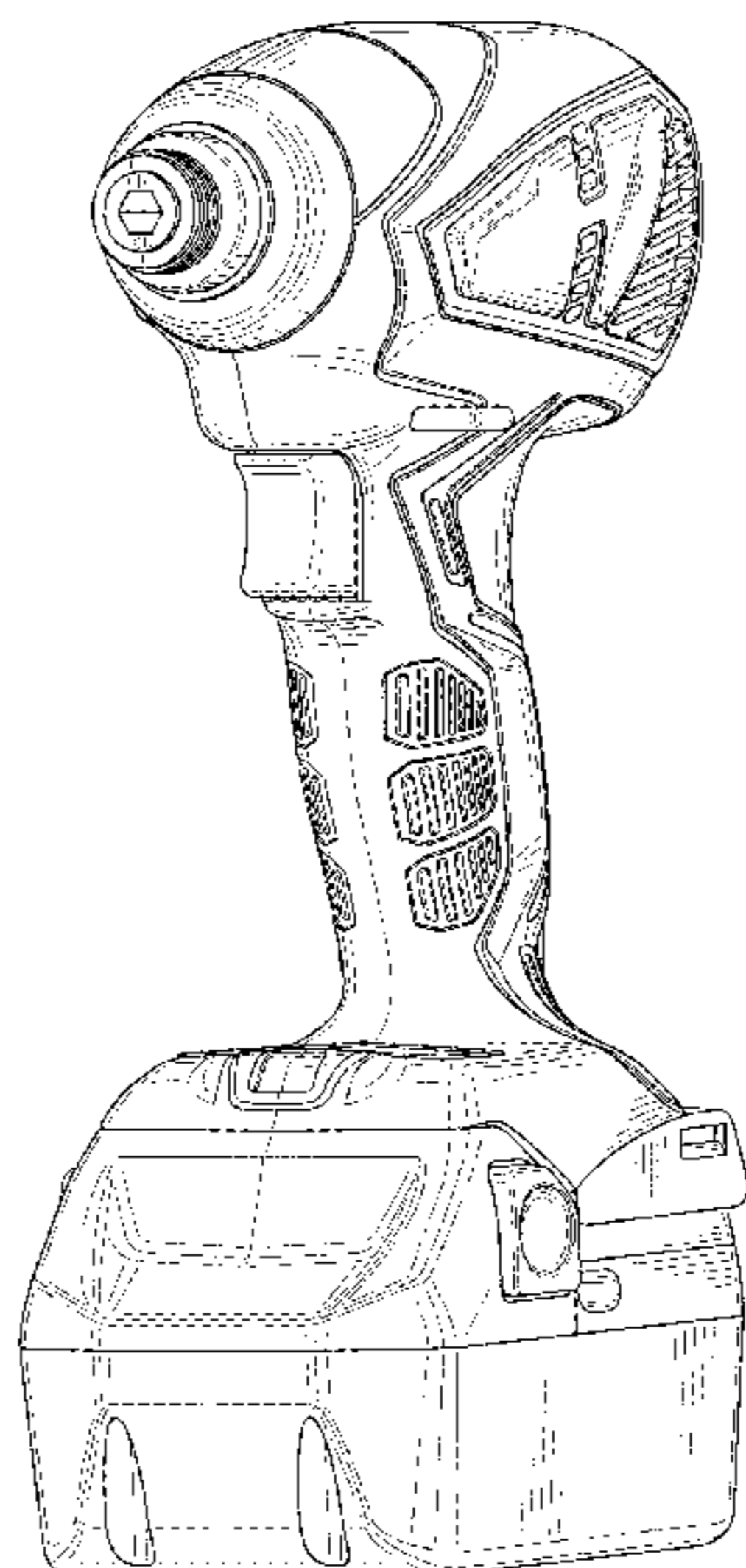
CLAIM

The ornamental design for a portable electric driver, as shown and described.

DESCRIPTION

FIG. 1 is a perspective view of the portable electric driver showing our new design;
FIG. 2 is a front view thereof;
FIG. 3 is a rear view thereof;
FIG. 4 is left side view thereof;
FIG. 5 is a right side 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 illustrate portions of the portable electric driver that form no part of the claimed design.

1 Claim, 5 Drawing Sheets



(56)

References Cited

U.S. PATENT DOCUMENTS

| | | | |
|-------------------|---------|----------------------|---------|
| D593,831 S | 6/2009 | Van Wambeke et al. | |
| D606,376 S * | 12/2009 | Okuda et al. | D8/68 |
| D609,072 S | 2/2010 | Van Wambeke | |
| D611,319 S | 3/2010 | Van Wambeke et al. | |
| D614,468 S * | 4/2010 | Aglassinger | D8/68 |
| D617,622 S * | 6/2010 | Lopano | D8/68 |
| 8,210,273 B2 | 7/2012 | Suzuki et al. | |
| D675,500 S | 2/2013 | Taniguchi et al. | |
| D678,744 S | 3/2013 | Aoki et al. | |
| D682,650 S | 5/2013 | Kawase et al. | |
| D721,938 S * | 2/2015 | Aoki et al. | D8/68 |
| 2009/0302554 A1 | 12/2009 | Thiel | |
| 2011/0139479 A1 * | 6/2011 | Nagasaka et al. | 173/217 |
| 2012/0061117 A1 * | 3/2012 | Nagasaka et al. | 173/217 |

* cited by examiner

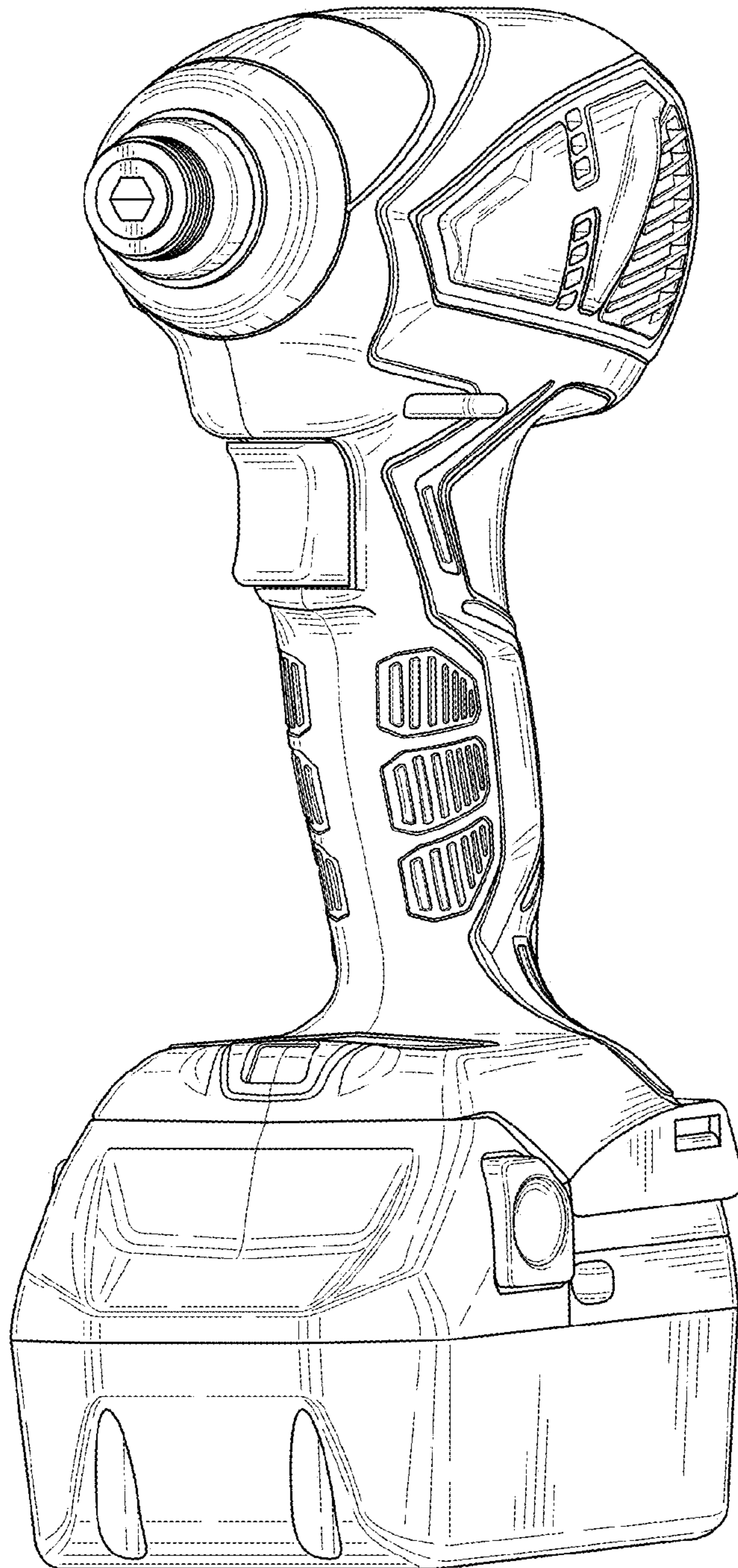


FIG. 1

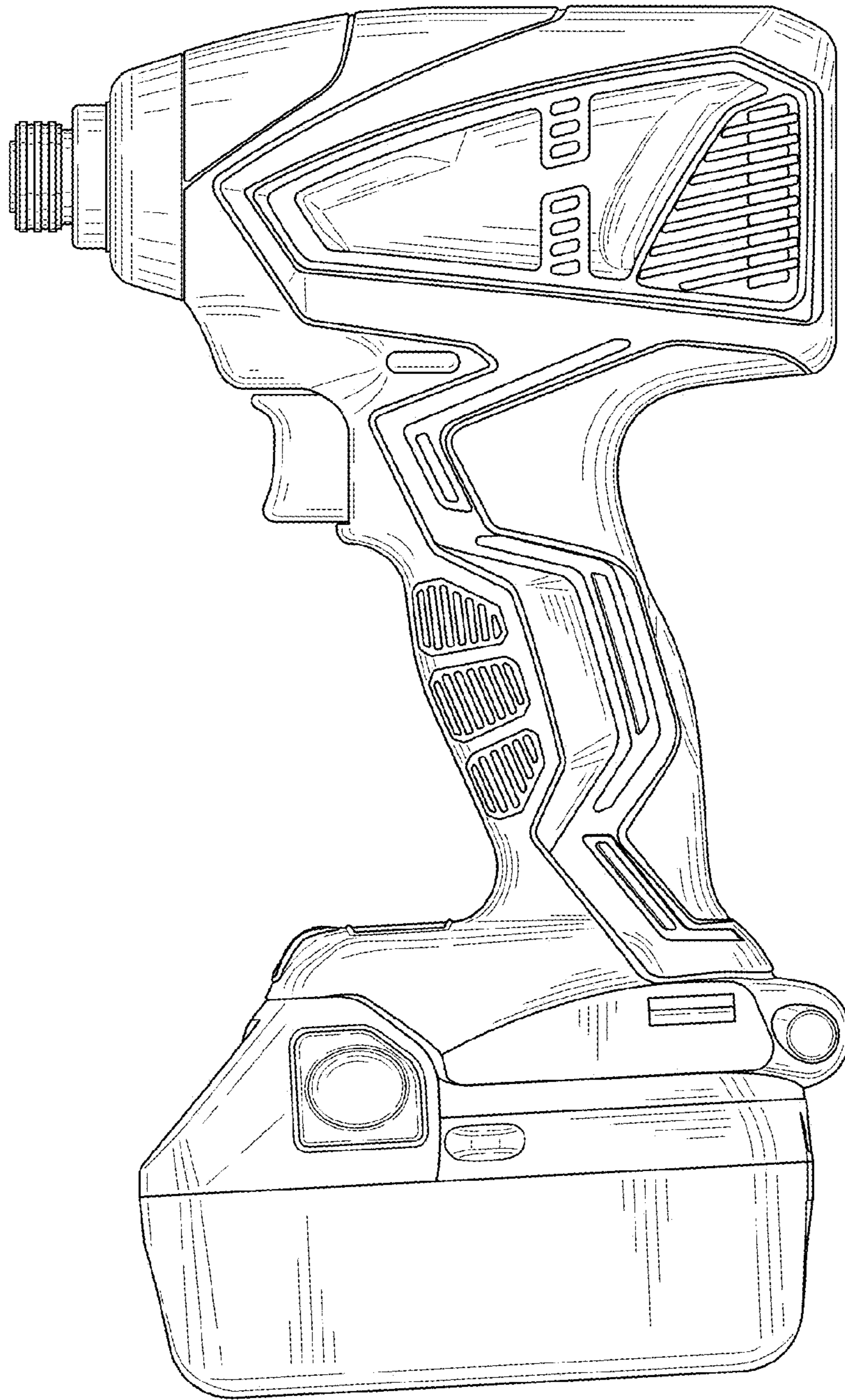


FIG. 2

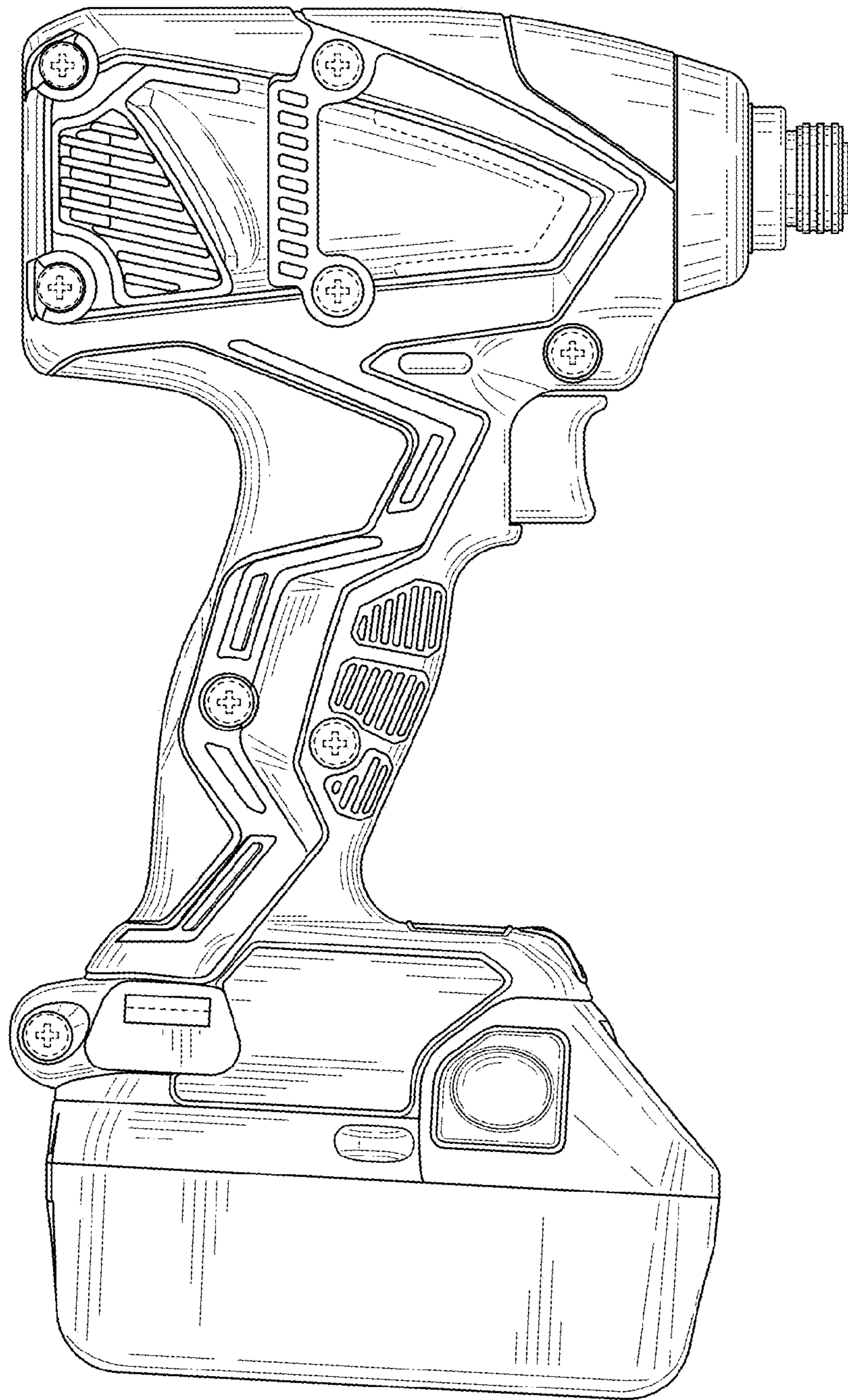


FIG. 3

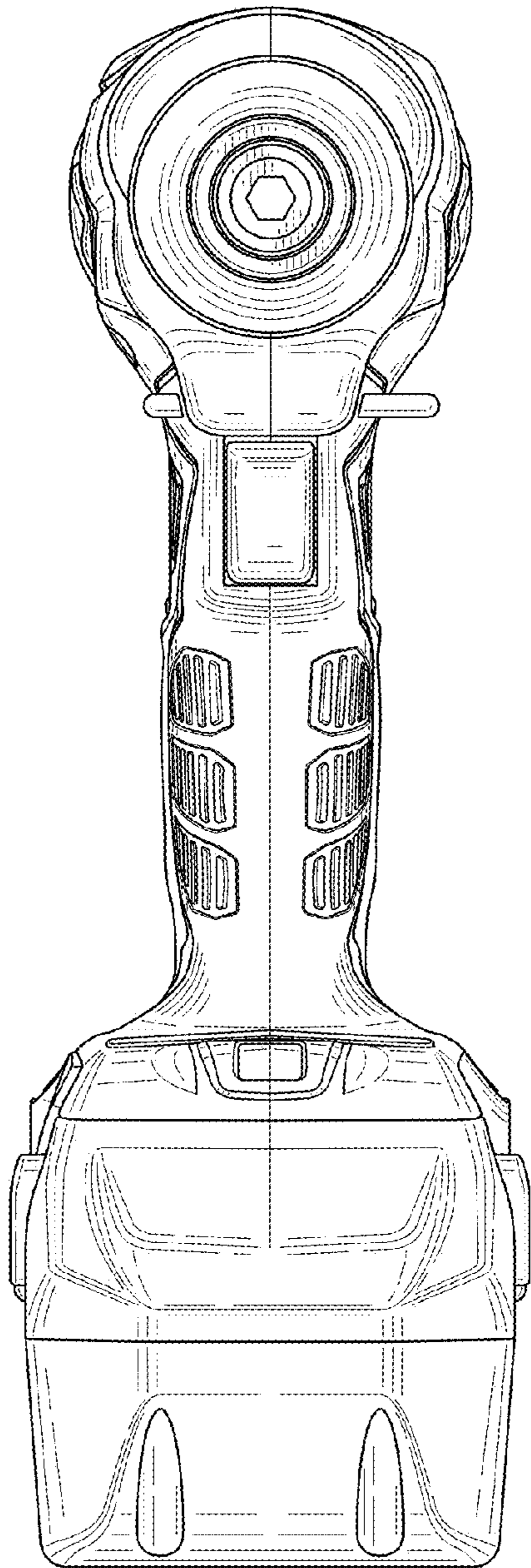


FIG. 4

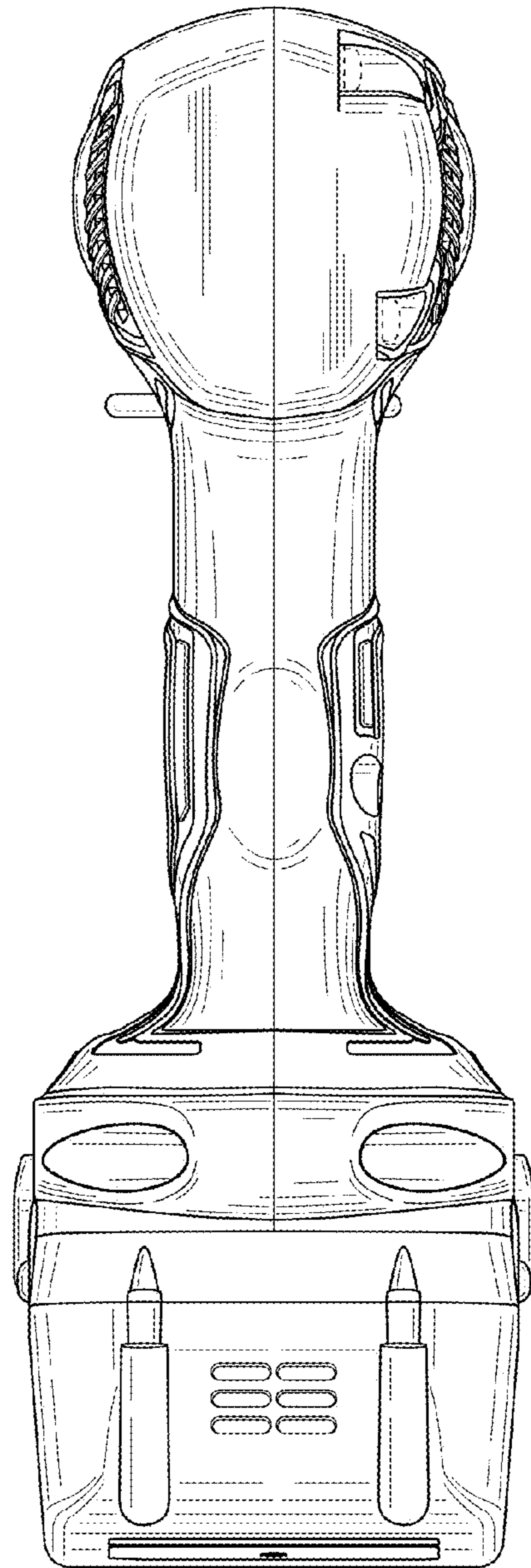


FIG. 5

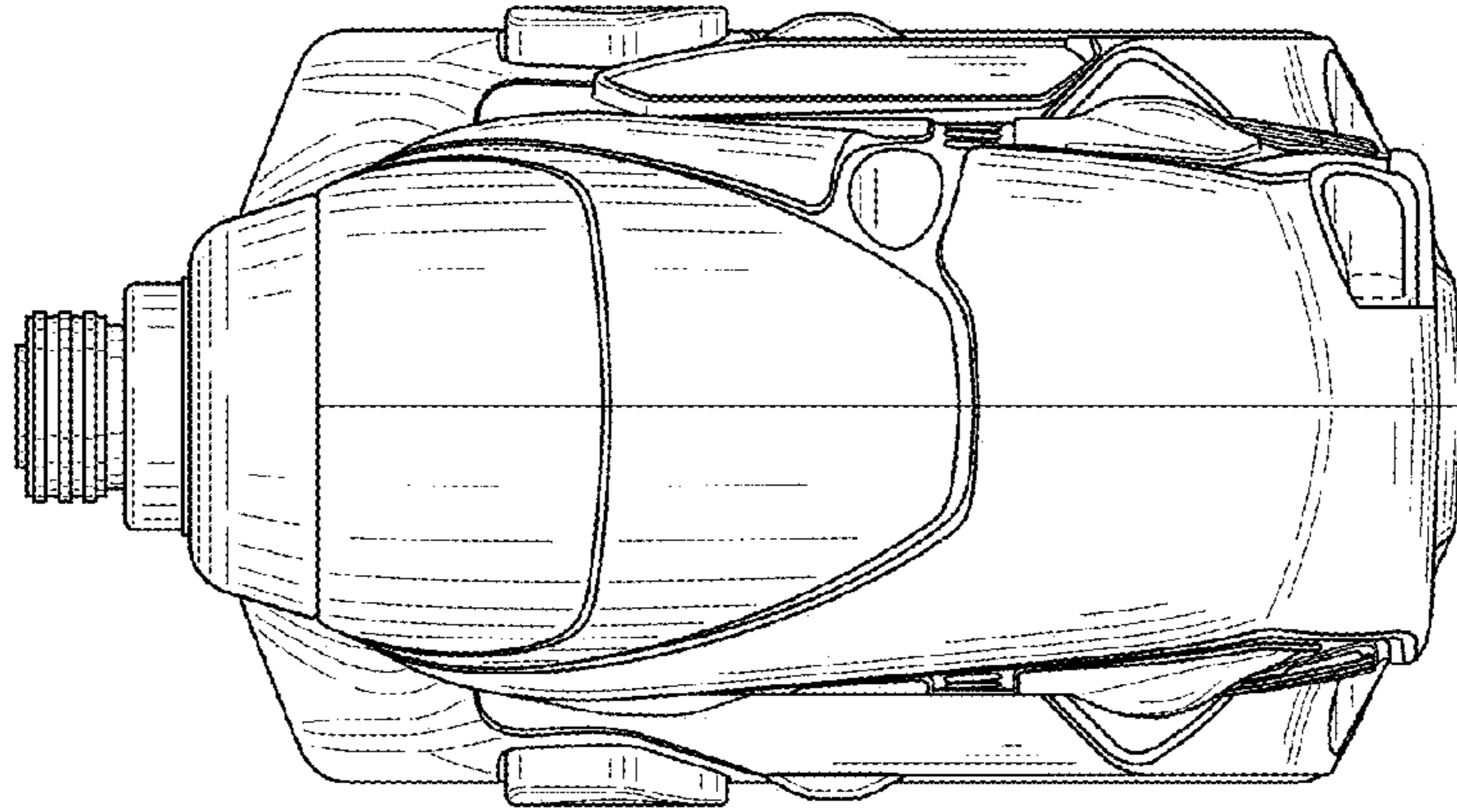


FIG. 6

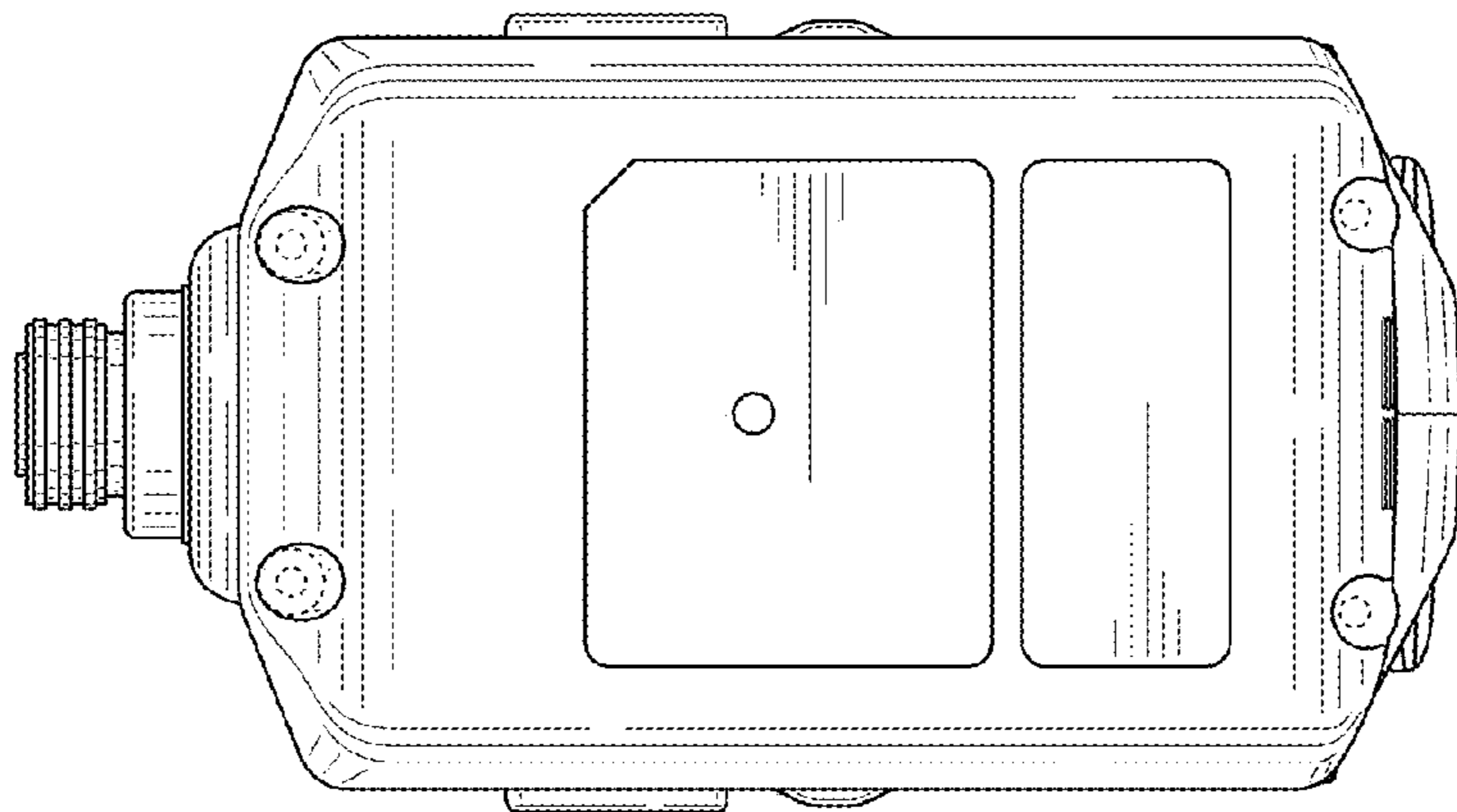


FIG. 7