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(12) **United States Design Patent** (10) **Patent No.:** **US D499,624 S**  
**Concari et al.** (45) **Date of Patent:** **\*\* Dec. 14, 2004**

- (54) **IMPACT DRIVER** D386,662 S \* 11/1997 Tozawa et al. .... D8/68  
D392,863 S 3/1998 Sugimoto et al.  
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(US); **Rodney Milbourne**, Abingdon, MD (US) D403,219 S 12/1998 Bosten et al.  
D404,276 S 1/1999 Ghode et al.  
D411,947 S 7/1999 Sugimoto et al.  
(73) Assignee: **Black & Decker Inc.**, Newark, DE D419,413 S \* 1/2000 Heun ..... D8/68  
(US) D420,877 S \* 2/2000 Schultz ..... D8/68  
D421,883 S \* 3/2000 Watson et al. .... D8/68  
D424,902 S 5/2000 Gildersleeve et al.

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

(List continued on next page.)

(21) Appl. No.: **29/201,435**

**FOREIGN PATENT DOCUMENTS**

(22) Filed: **Mar. 16, 2004**

**Related U.S. Application Data**

(62) Division of application No. 29/178,881, filed on Mar. 31, 2003, now Pat. No. Des. 489,955.

DE	M9003635	4/1991
DE	M9300144	1/1993
DE	M9301028	7/1993
DE	M9402042	8/1994
DE	49808551	9/1999
DE	40005042	8/2000
DE	40009556	6/2001

(51) **LOC (7) Cl.** ..... **08-05**

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

(58) **Field of Search** ..... D8/14.1, 61, 62, D8/63, 64, 65, 66, 67, 68, 69, 70; 81/57.11, 429, 464, 465, 466, 469, 489; 173/13, 169, 178, 213, 217; 227/8, 114, 120, 130, 136, 142; 310/50; 408/20, 124, 125, 234, 241 R; 451/358

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(57) **CLAIM**

The ornamental design for an impact driver, as shown and described.

(56) **References Cited**

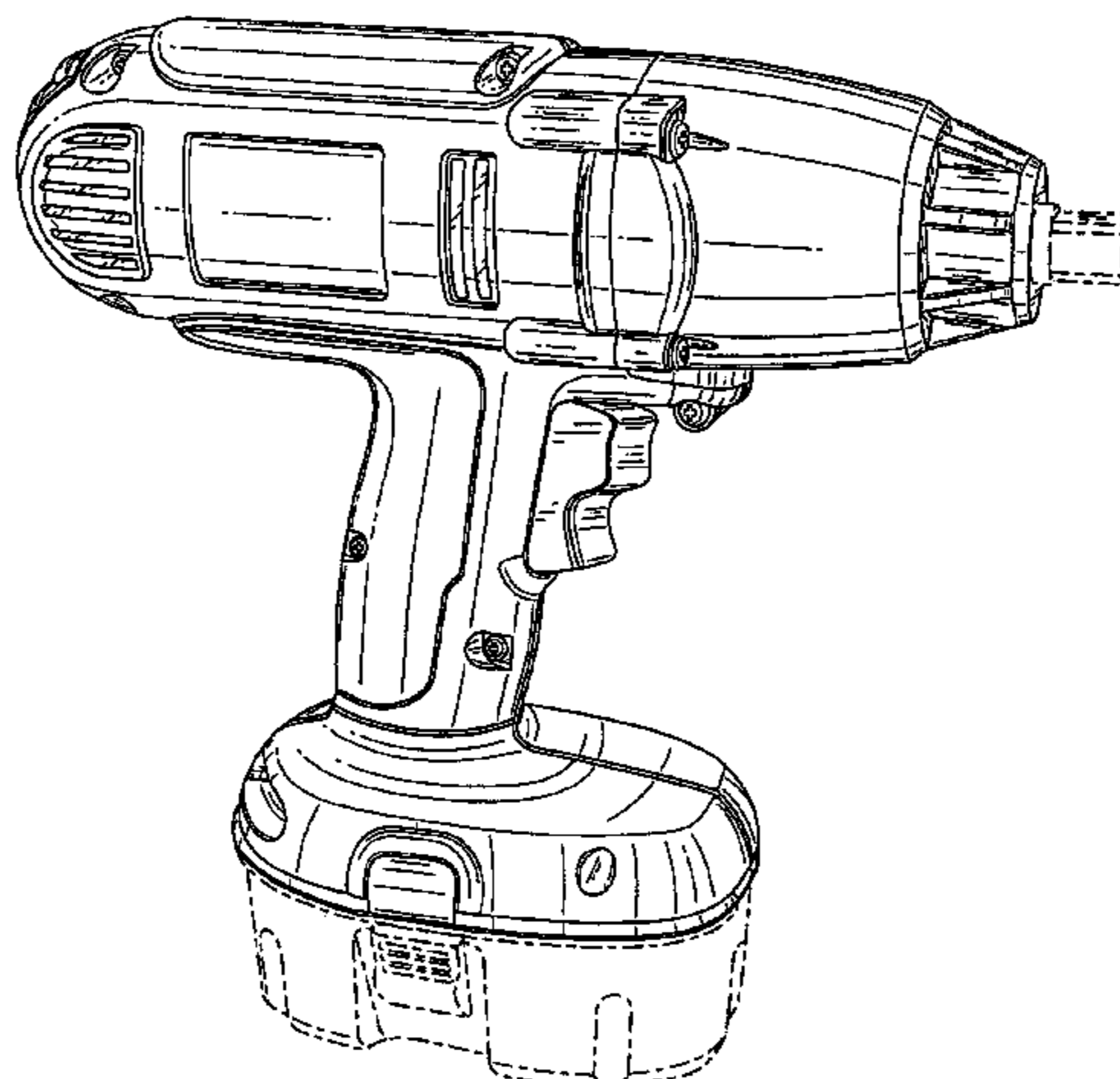
**U.S. PATENT DOCUMENTS**

D156,319 S	12/1949	Bushnell	
D159,044 S	6/1950	Bushnell	
D295,714 S	5/1988	Sasaki et al.	
D320,917 S	10/1991	Fushiya et al.	
D335,073 S	4/1993	Anthony et al.	
D339,046 S	9/1993	Fushiya et al.	
D340,394 S	10/1993	Okumura	
D340,396 S	10/1993	Ichikawa	
D342,430 S	12/1993	Saito et al.	
D359,215 S	* 6/1995	Zurwelle	D8/68
D362,167 S	* 9/1995	Zurwelle	D8/68
D368,214 S	3/1996	Zurwelle	
D376,969 S	12/1996	Kazamaki et al.	
D378,268 S	* 3/1997	Schultz	D8/68

**DESCRIPTION**

FIG. 1 is a right front perspective view of an impact driver showing my new design.  
FIG. 2 is a left side view of the impact driver of FIG. 1.  
FIG. 3 is a right side view of the impact driver of FIG. 1.  
FIG. 4 is a front view of the impact driver of FIG. 1.  
FIG. 5 is a rear view of the impact driver of FIG. 1.  
FIG. 6 is a top view of the impact driver of FIG. 1; and,  
FIG. 7 is a bottom view of the impact driver of FIG. 1.  
The broken lines and the areas within the broken lines form no part of the claimed ornamental design.

**1 Claim, 5 Drawing Sheets**



# US D499,624 S

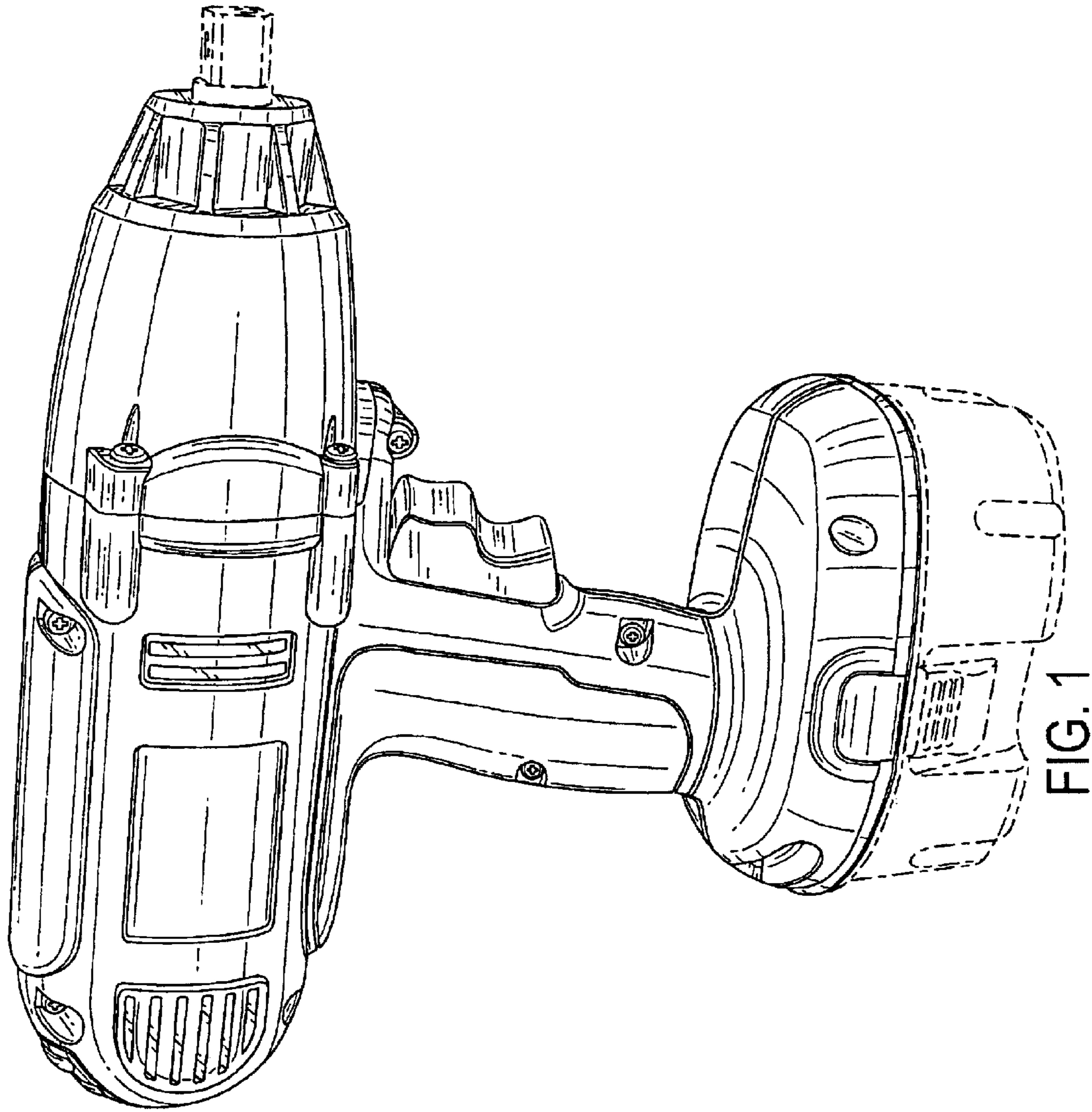
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## U.S. PATENT DOCUMENTS

D428,320 S	7/2000	Ohi et al.	
D431,766 S	10/2000	Zurwelle	
D435,414 S	12/2000	Etter et al.	
D437,761 S	2/2001	Okumura et al.	
D446,704 S	8/2001	Shibata et al.	
6,364,580 B1 *	4/2002	Dils et al. ....	408/241 R
D460,674 S *	7/2002	Heun .....	D8/68
6,431,289 B1 *	8/2002	Potter et al. ....	173/217
D462,248 S *	9/2002	Cooper .....	D8/68
D462,594 S	9/2002	Flickinger	
D466,777 S	12/2002	Watson	
D467,147 S	12/2002	Watson	
D467,148 S *	12/2002	Flickinger .....	D8/68
D467,780 S	12/2002	Koizumi	
6,502,648 B2 *	1/2003	Milbourne .....	173/178
D469,675 S *	2/2003	Chung .....	D8/68
6,528,921 B1 *	3/2003	Nakane .....	310/50
D477,205 S *	7/2003	Sakai et al. ....	D8/68

\* cited by examiner



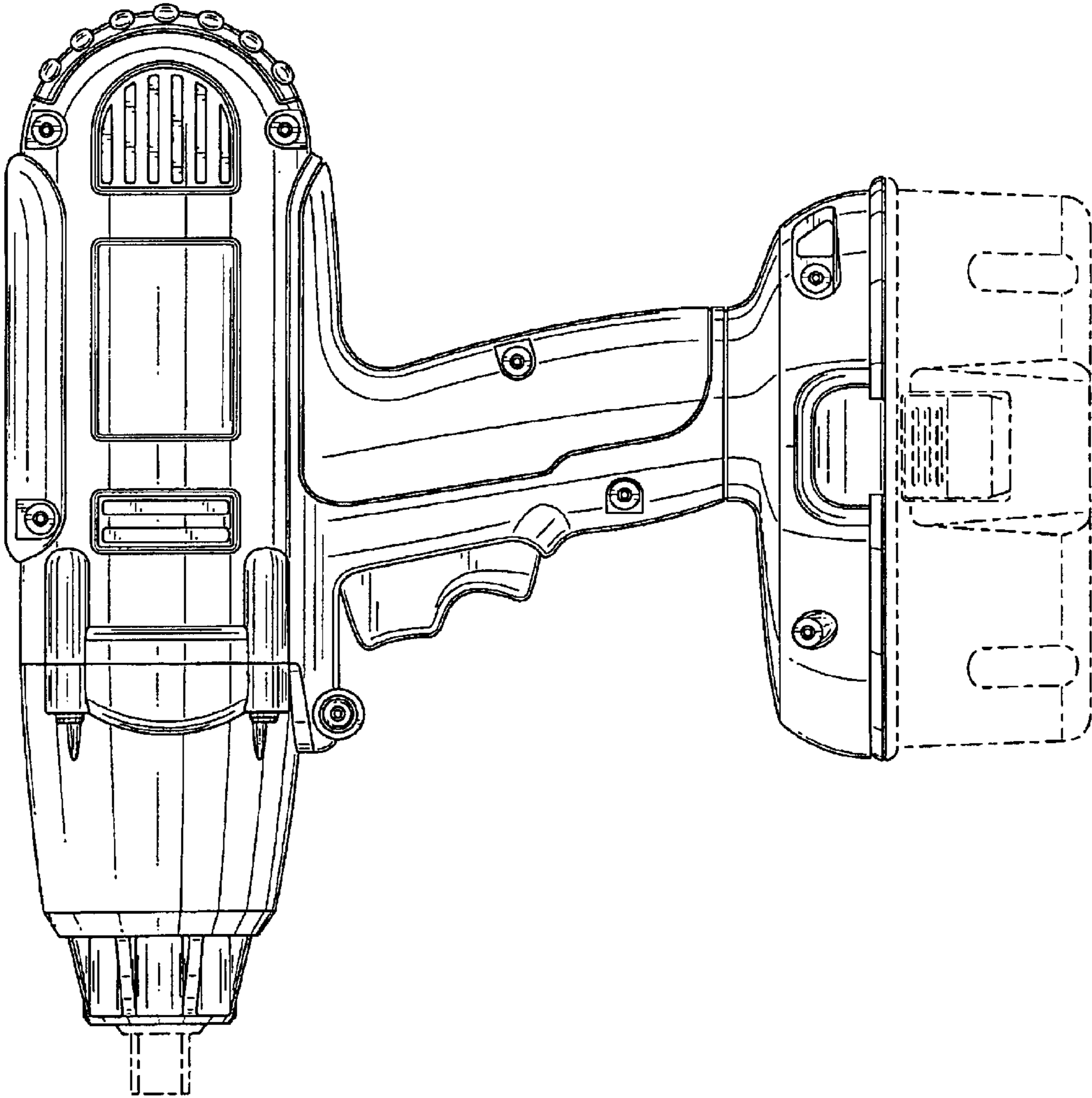


FIG. 2

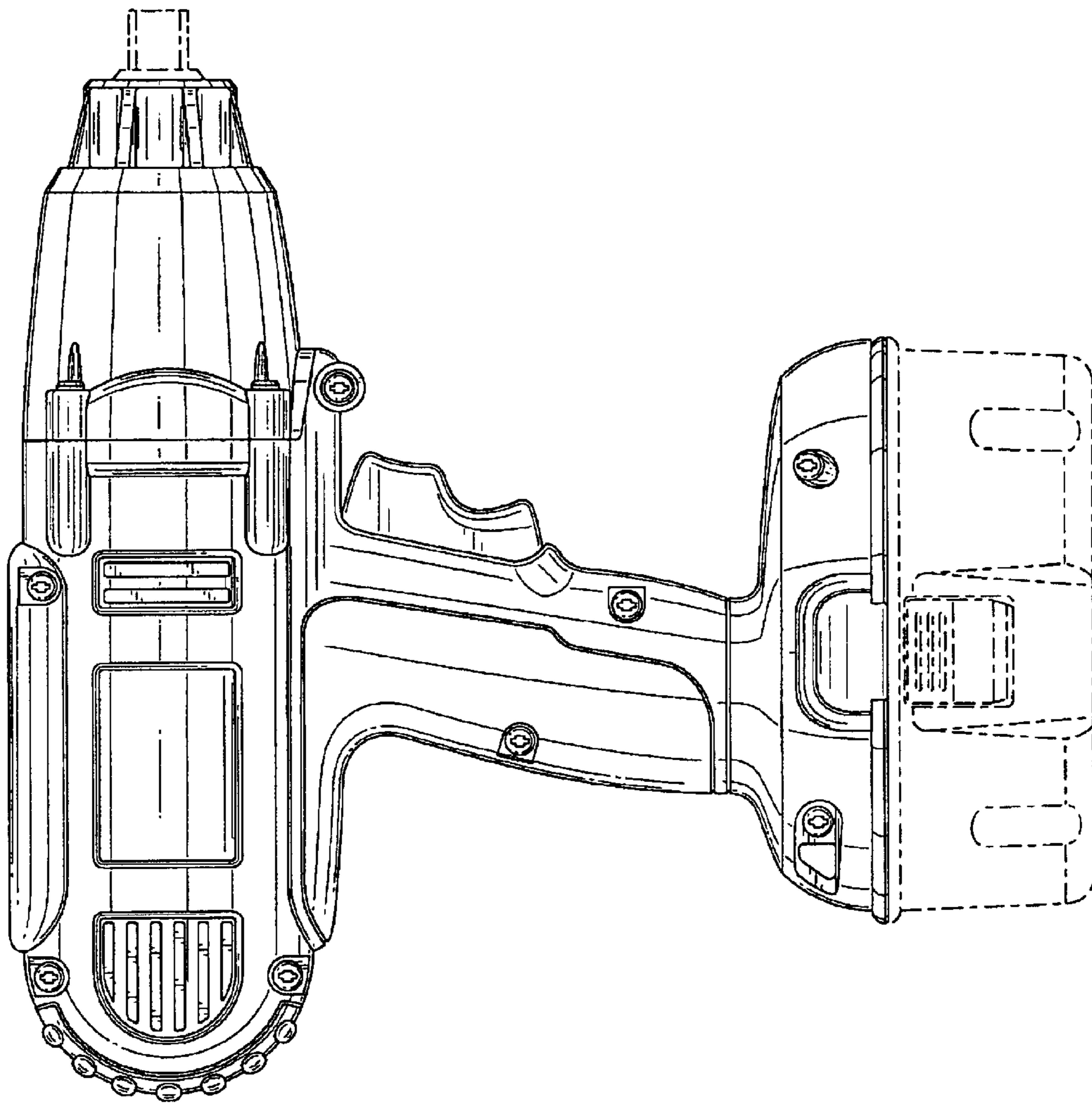


FIG. 3

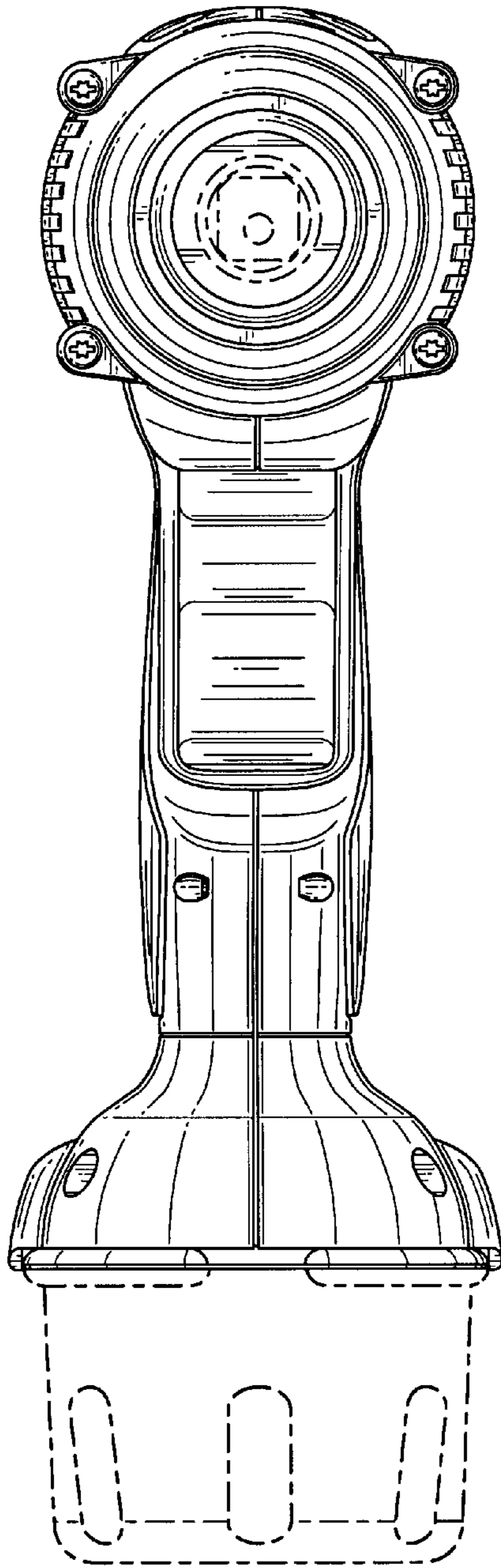


FIG. 4

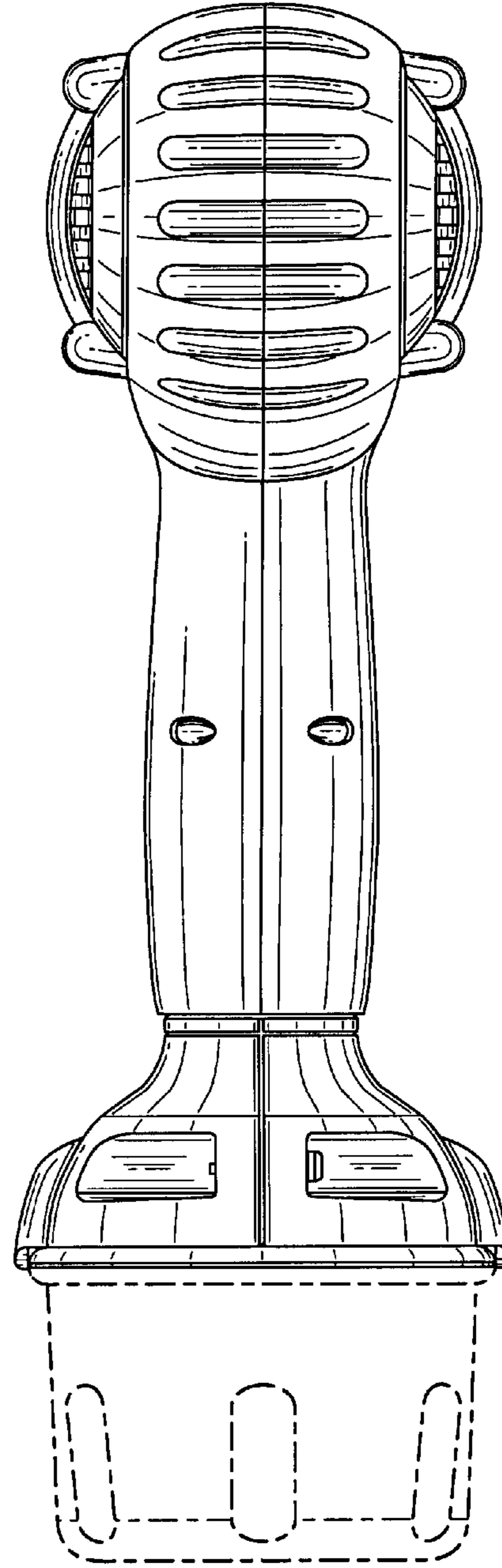


FIG. 5

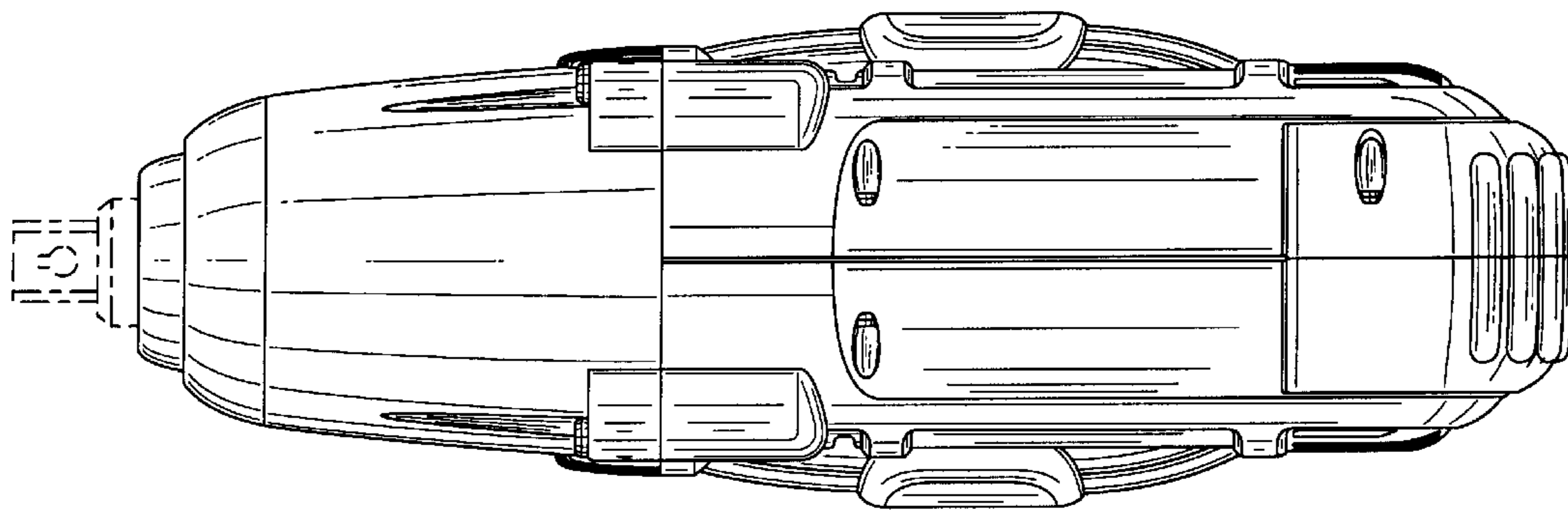


FIG. 6

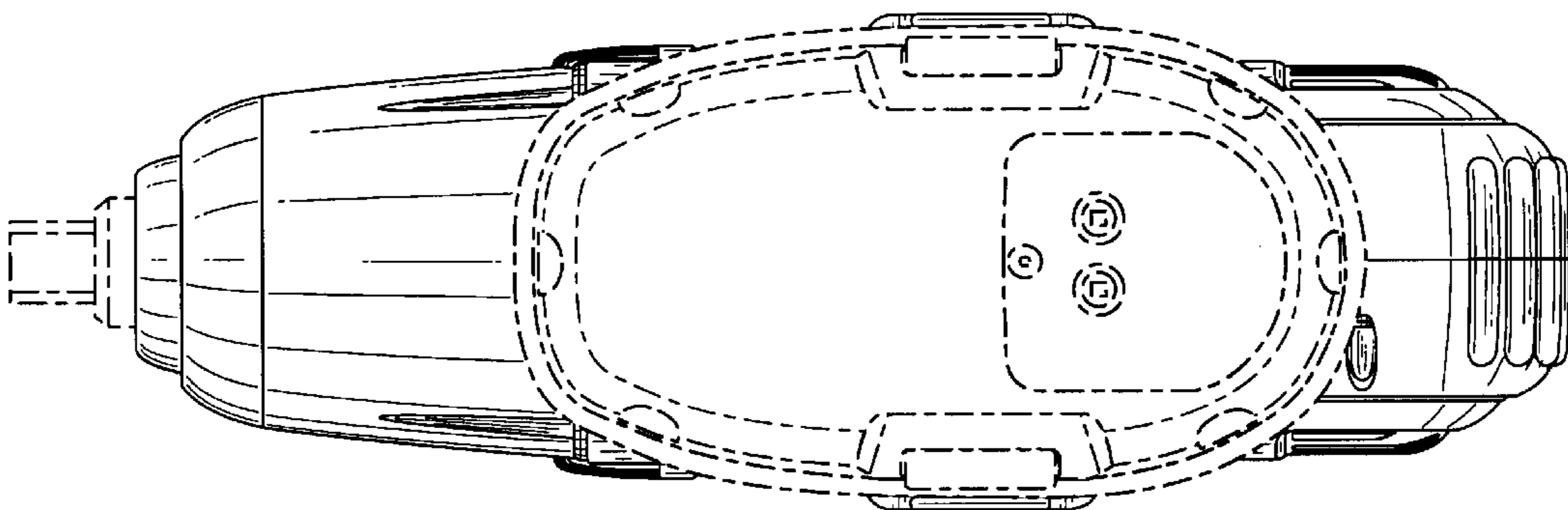


FIG. 7