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(12) **United States Design Patent** (10) **Patent No.:** **US D521,338 S**  
**Wai** (45) **Date of Patent:** **\*\* May 23, 2006**

(54) **IMPACT DRILL**

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Tortola (VG)

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

(21) Appl. No.: **29/236,701**

(22) Filed: **Aug. 17, 2005**

(51) **LOC (8) Cl.** ..... **08-01**

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

(58) **Field of Classification Search** ..... D8/14.1,  
D8/61, 62, 63, 64, 65, 66, 67, 68, 69, 70;  
81/57.11, 429, 464, 465, 466, 469, 489; 173/13,  
173/169, 178, 213, 217, 114, 201, 211; 227/8,  
227/114, 120, 130, 136, 142; 408/20, 124,  
408/125, 234, 241 R; 451/358; 310/50

See application file for complete search history.

(56) **References Cited**

**U.S. PATENT DOCUMENTS**

D37,994 S	5/1906	Tower	
D246,946 S	* 1/1978	Schultz	D8/68
D256,771 S	* 9/1980	Kitagawa et al.	D8/68
D294,001 S	2/1988	Greenlee et al.	
4,723,582 A	2/1988	Caspall	
D301,968 S	* 7/1989	Kmetz	D8/68
4,951,846 A	8/1990	Oster et al.	
D326,400 S	5/1992	Fushiya et al.	
D326,598 S	* 6/1992	Sakamoto et al.	D8/68
D377,894 S	2/1997	Sung	
D400,074 S	* 10/1998	Cooper	D8/68
D404,276 S	1/1999	Ghode et al.	
D415,002 S	10/1999	Rogers et al.	
5,984,022 A	* 11/1999	Harman et al.	173/178
D467,482 S	* 12/2002	Kunz et al.	D8/68
D467,781 S	* 12/2002	Kunz et al.	D8/68
D468,615 S	1/2003	Kanzawa	
D470,027 S	* 2/2003	Chunn et al.	D8/68
D470,378 S	* 2/2003	Chunn et al.	D8/68
D471,419 S	* 3/2003	Chunn et al.	D8/68
D471,781 S	3/2003	Heun	

D474,953 S	* 5/2003	Santarsiero et al.	D8/68
6,702,530 B1	* 3/2004	Bennage et al.	408/241 R
D490,677 S	6/2004	Chung et al.	
D491,438 S	6/2004	Cheung et al.	
D496,573 S	* 9/2004	Cooper	D8/68
2003/0165366 A1	* 9/2003	Bennage et al.	408/241 R

**FOREIGN PATENT DOCUMENTS**

GB 2070770 S \* of 1899

\* cited by examiner

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*Assistant Examiner*—T. Chase Nelson

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(57) **CLAIM**

I claim the ornamental design for an impact drill, as shown and described.

**DESCRIPTION**

FIG. 1 is a top perspective view of first embodiment of an impact drill of the present invention;  
FIG. 2 is a first side view thereof;  
FIG. 3 is a second side view thereof;  
FIG. 4 is a top view thereof;  
FIG. 5 is a bottom view thereof;  
FIG. 6 is a front view thereof;  
FIG. 7 is a rear view thereof;  
FIG. 8 is a top perspective view of a second embodiment of an impact drill of the present invention;  
FIG. 9 is a first side view thereof;  
FIG. 10 is a second side view thereof;  
FIG. 11 is a top view thereof;  
FIG. 12 is a bottom view thereof;  
FIG. 13 is a front view thereof;  
FIG. 14 is a rear view thereof;  
FIG. 15 is a top perspective view of a third embodiment of an impact drill of the present invention;  
FIG. 16 is a first side view thereof;  
FIG. 17 is a second side view thereof;  
FIG. 18 is a top view thereof;  
FIG. 19 is a bottom view thereof;  
FIG. 20 is a front view thereof;

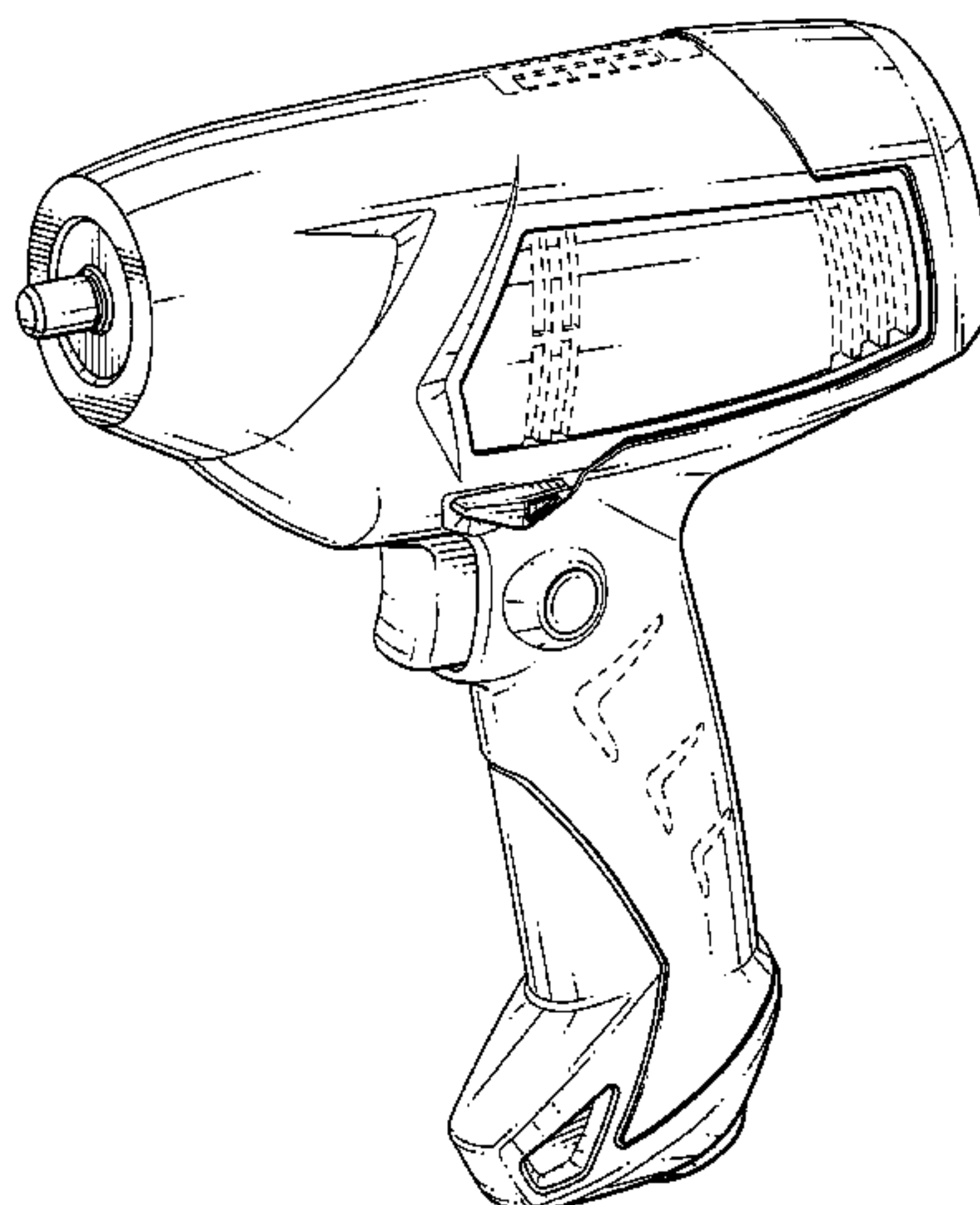


FIG. **21** is a rear view thereof;  
FIG. **22** is a top perspective view of a fourth embodiment of  
an impact drill of the present invention;  
FIG. **23** is a first side view thereof;  
FIG. **24** is a second side view thereof;  
FIG. **25** is a top view thereof;  
FIG. **26** is a bottom view thereof;

FIG. **27** is a front view thereof; and,

FIG. **28** is a rear view thereof.

Any broken lines in the drawings are for illustrative purposes only and form no part of the claimed design.

**1 Claim, 20 Drawing Sheets**

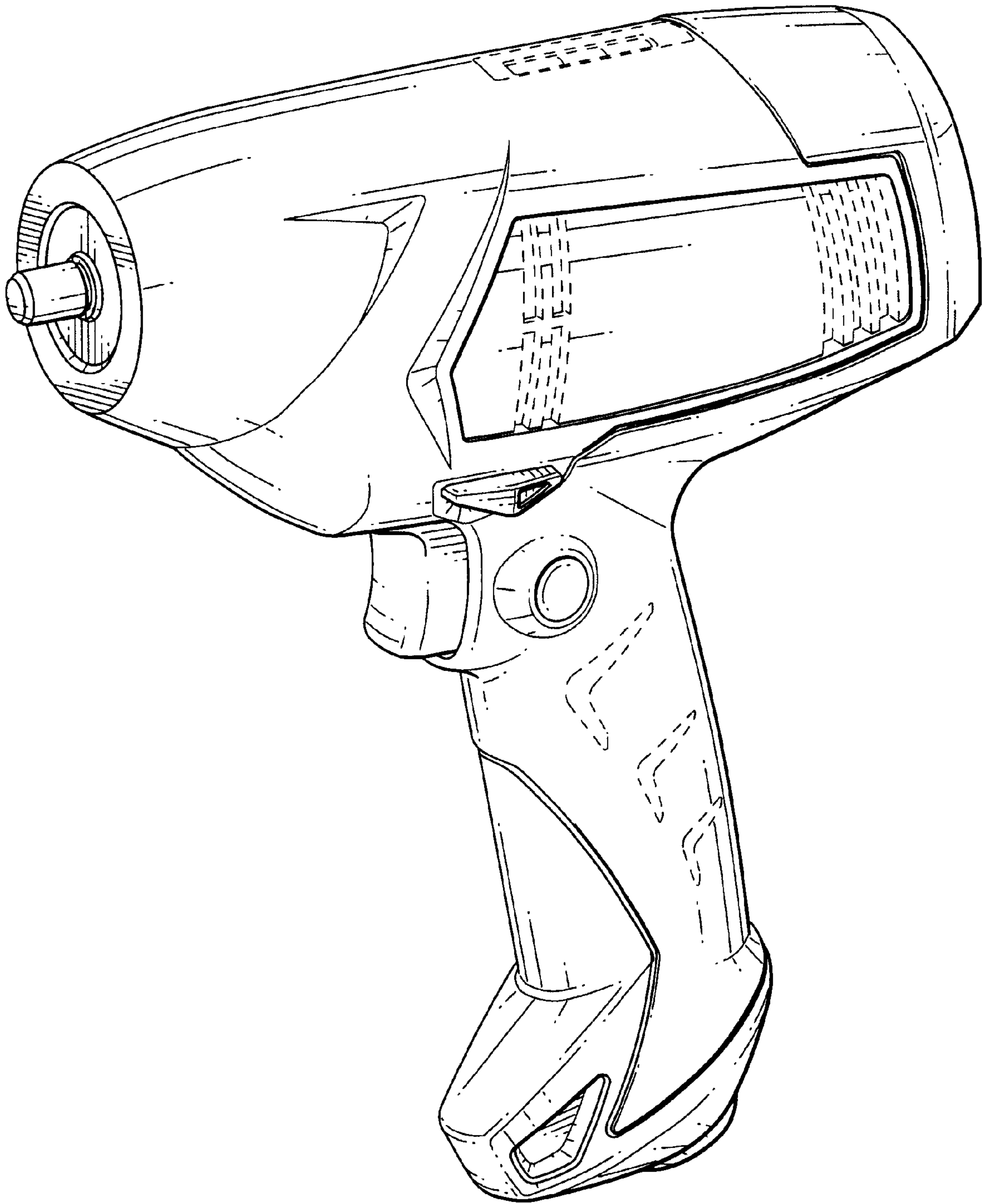


FIG. 1

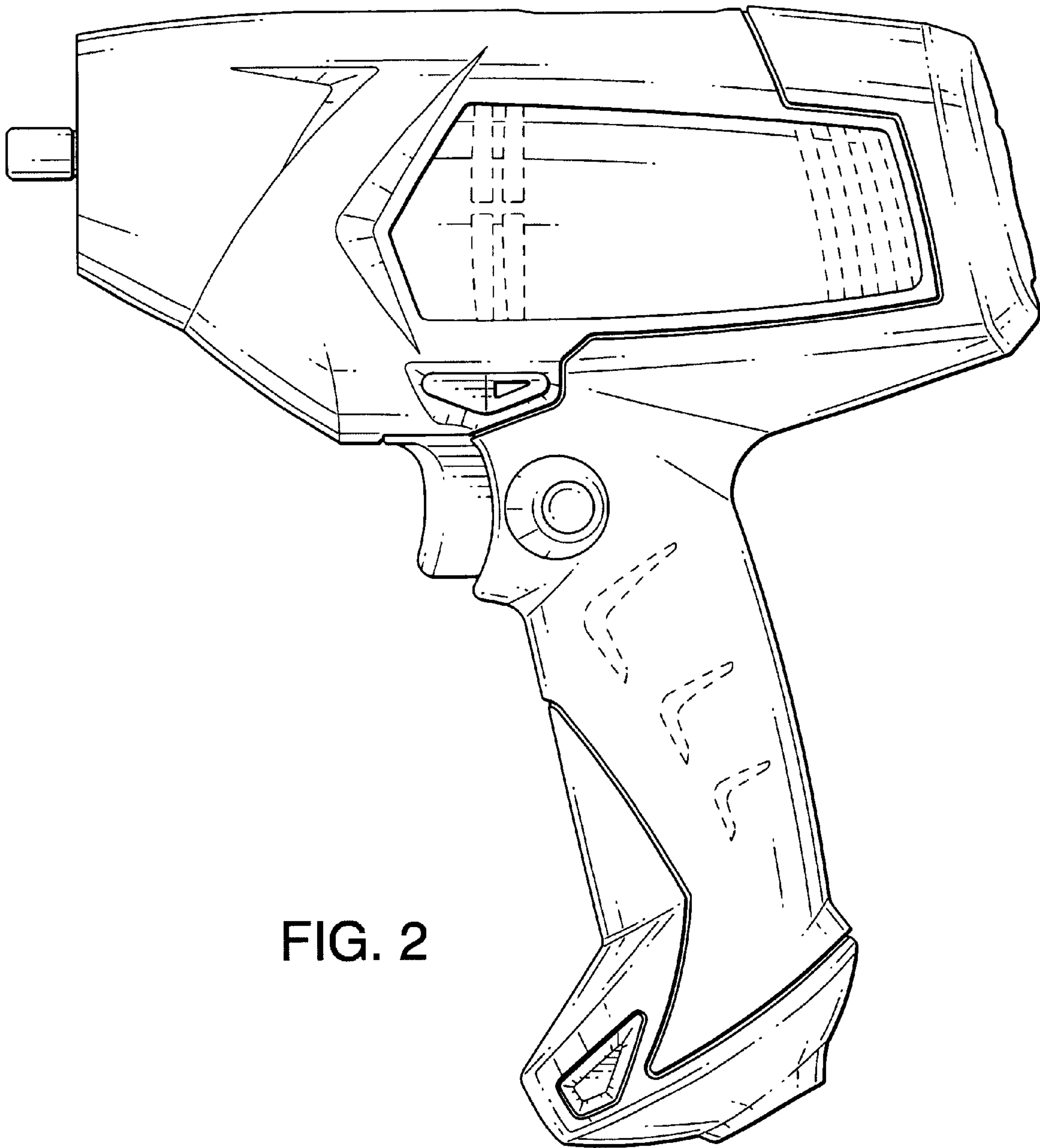


FIG. 2



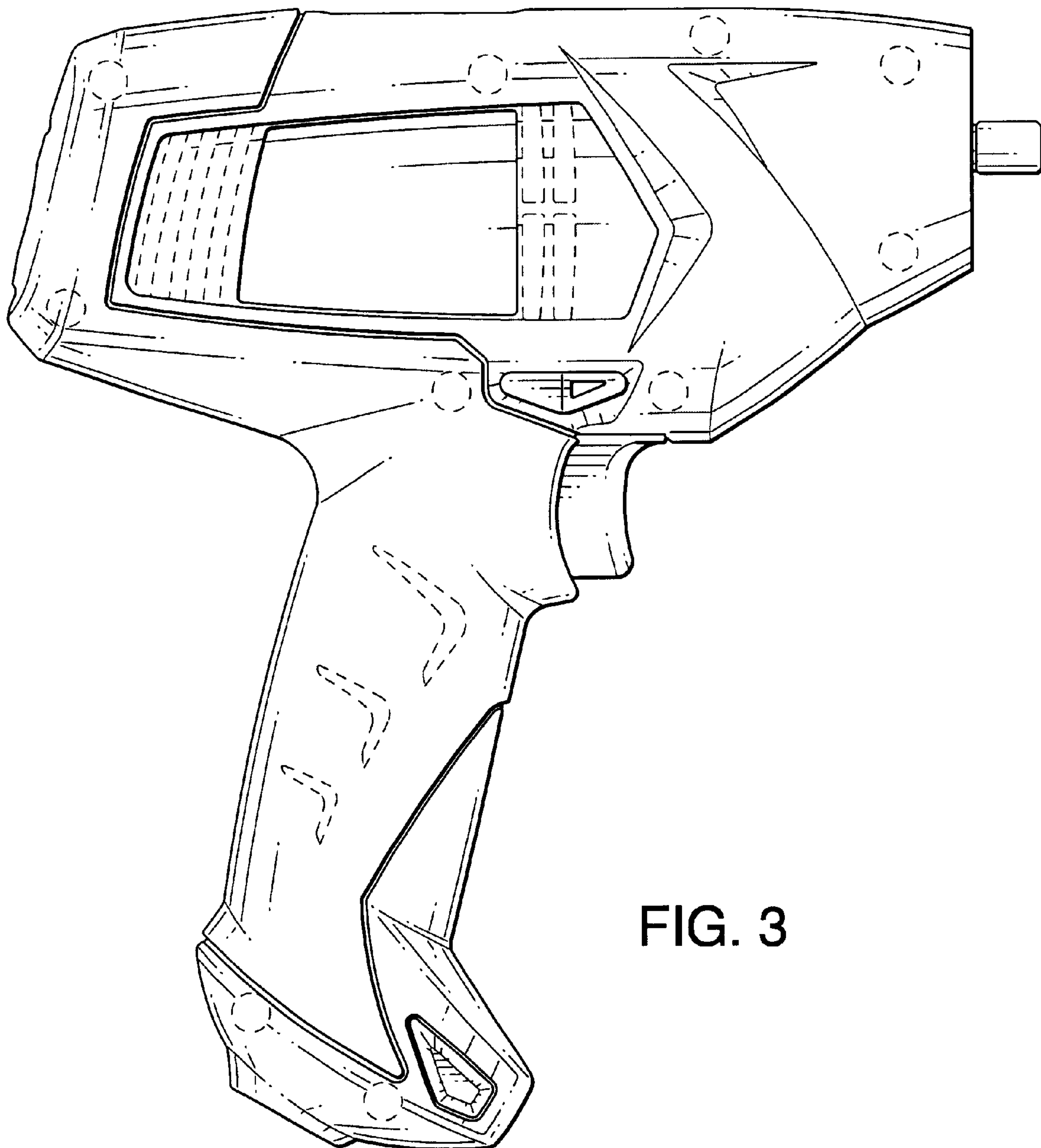


FIG. 3

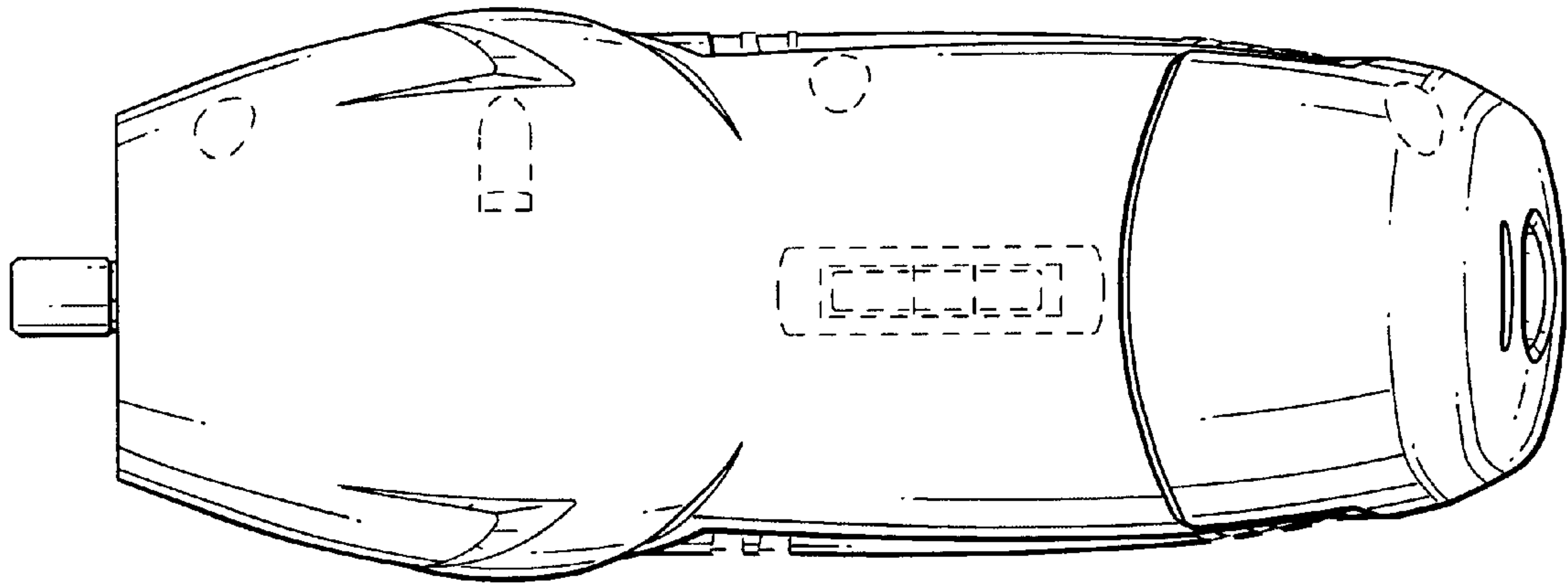


FIG. 4

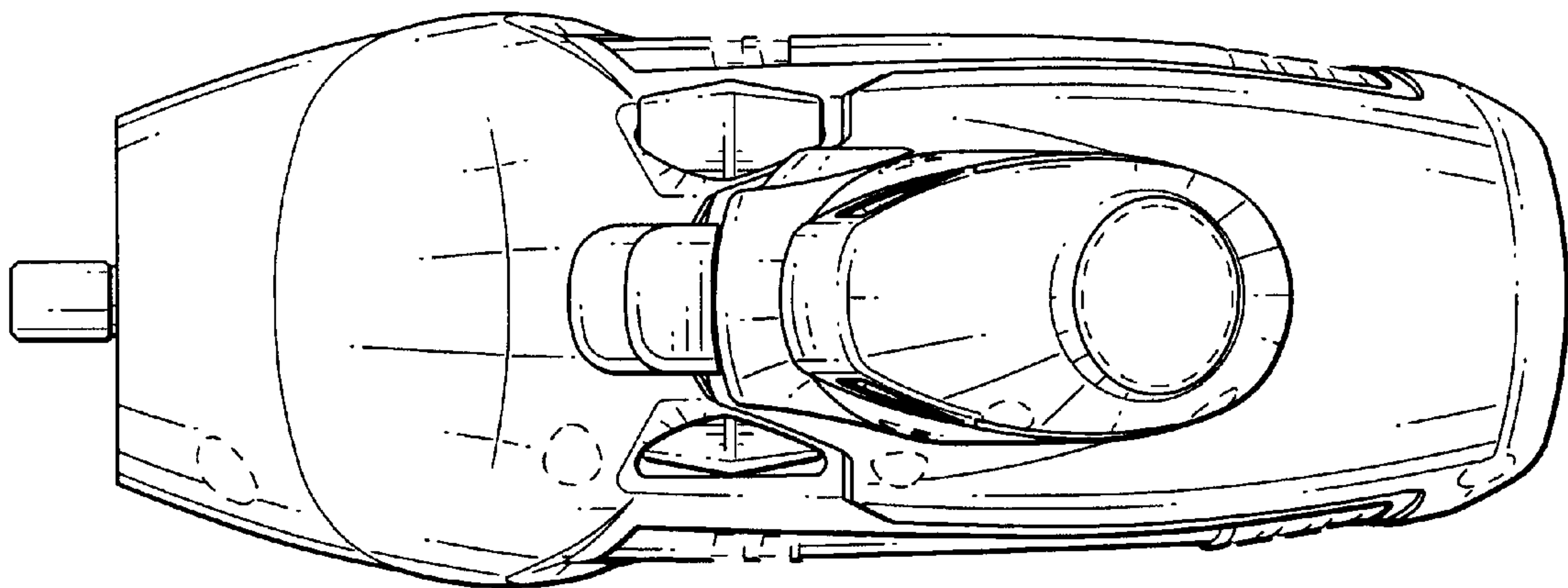


FIG. 5

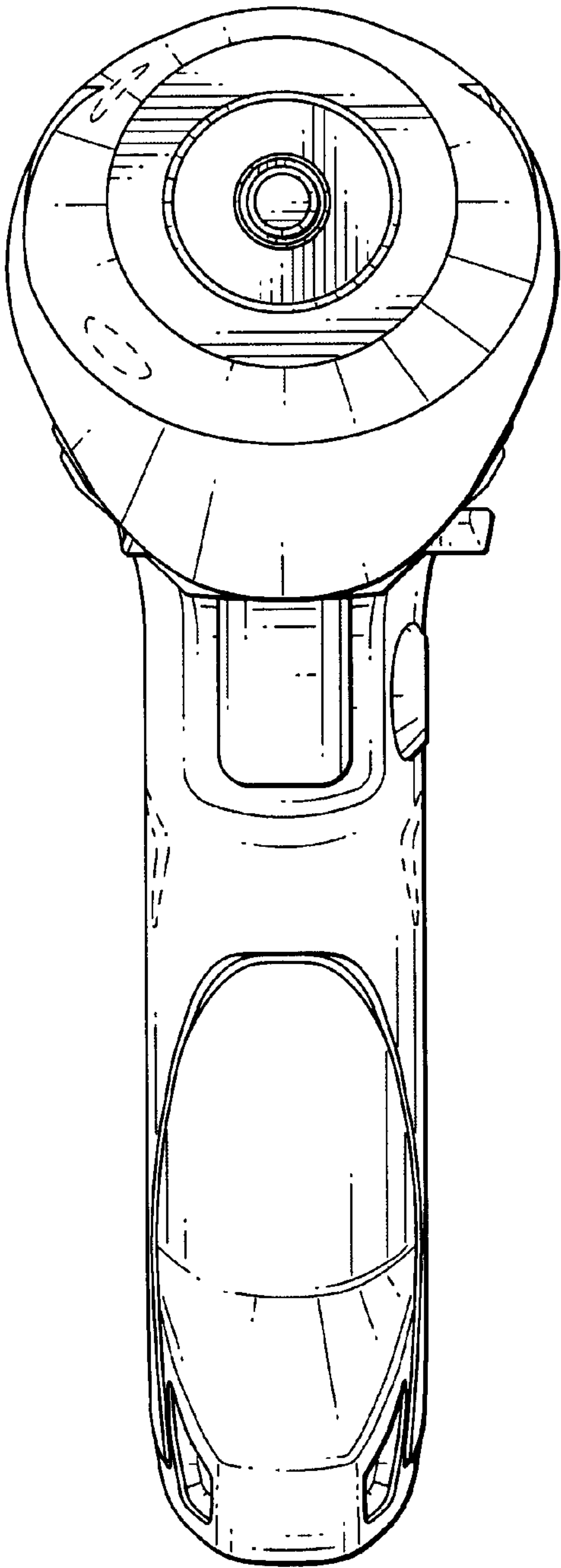


FIG. 6

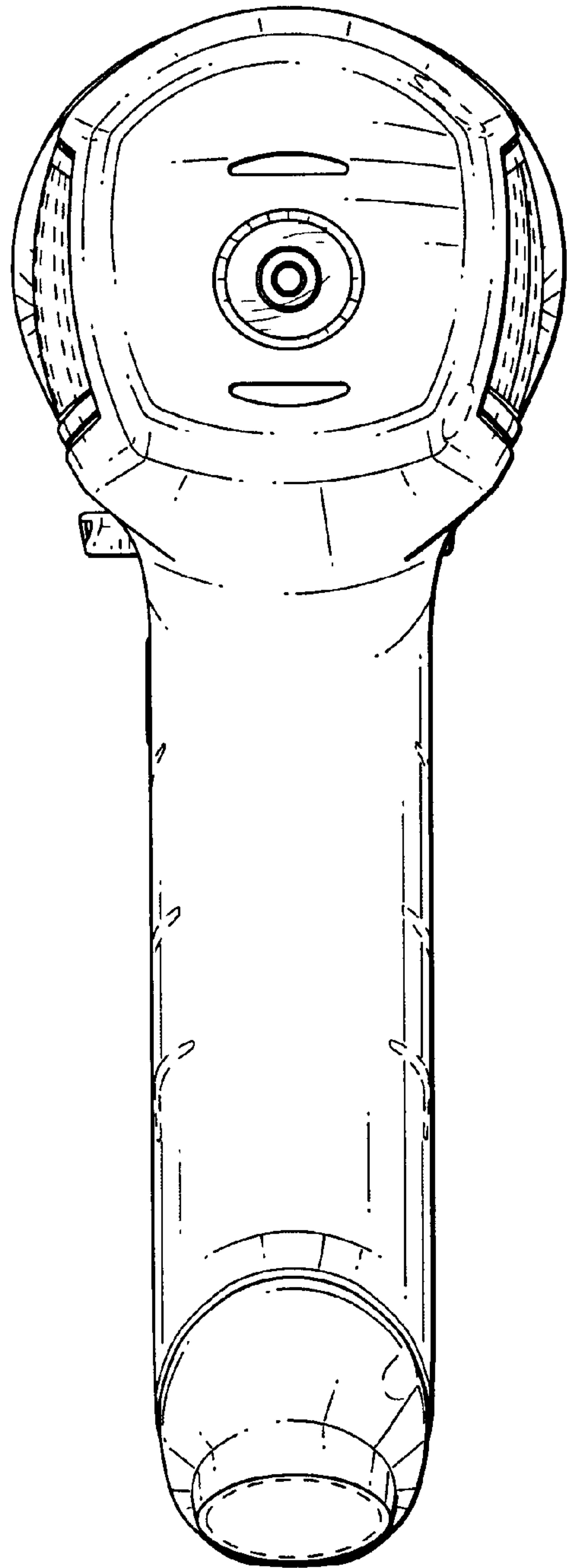


FIG. 7

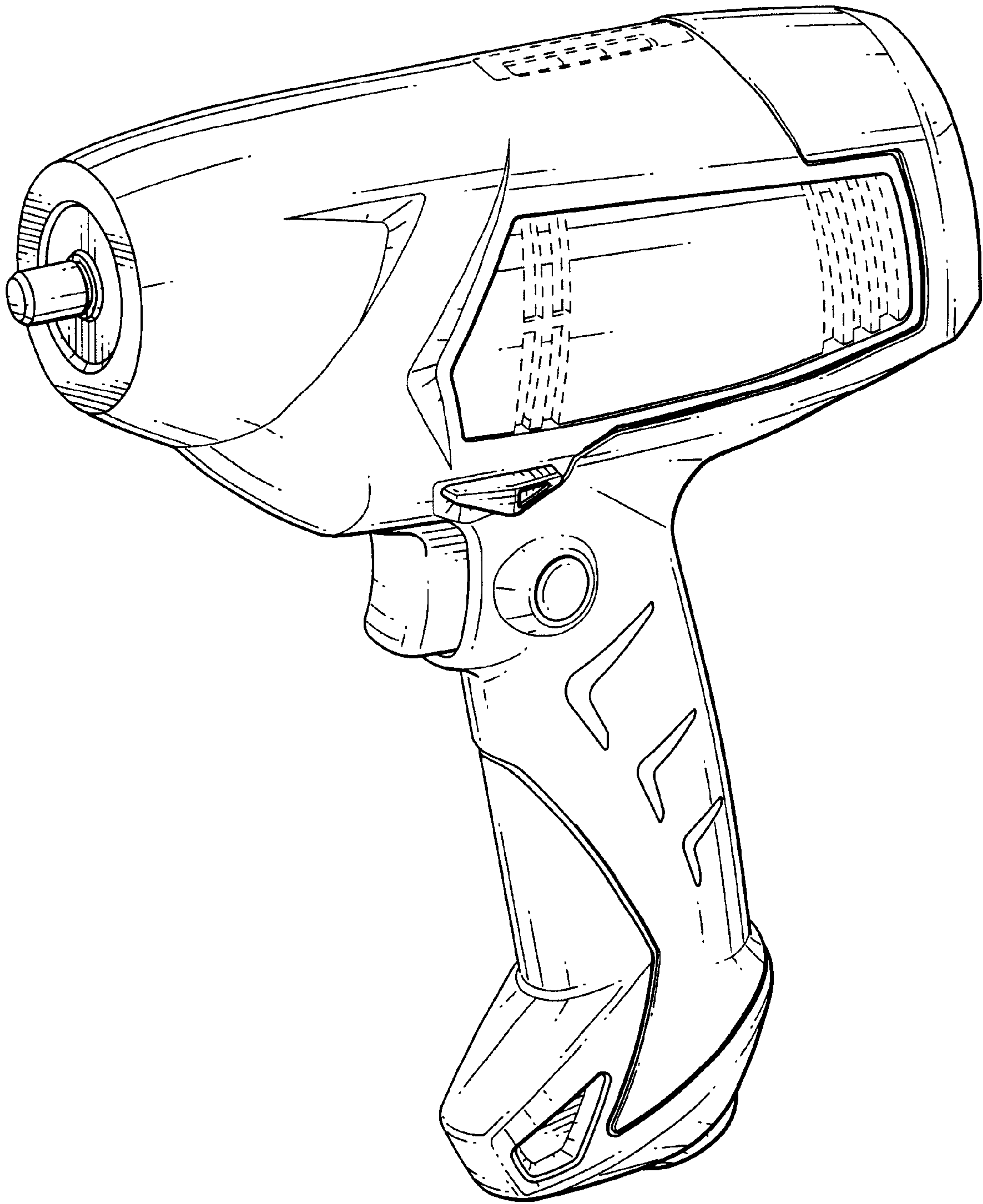


FIG. 8



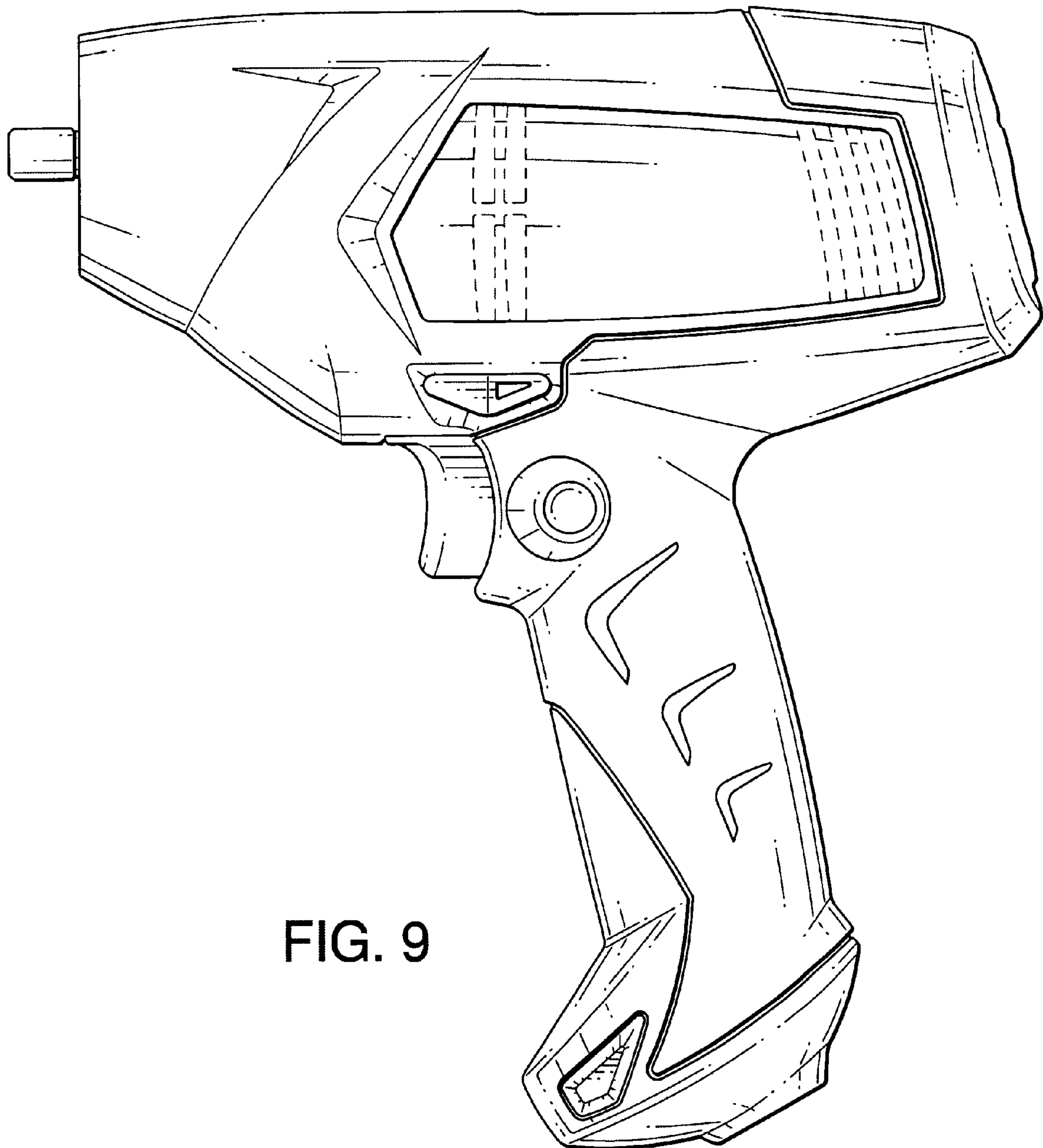


FIG. 9

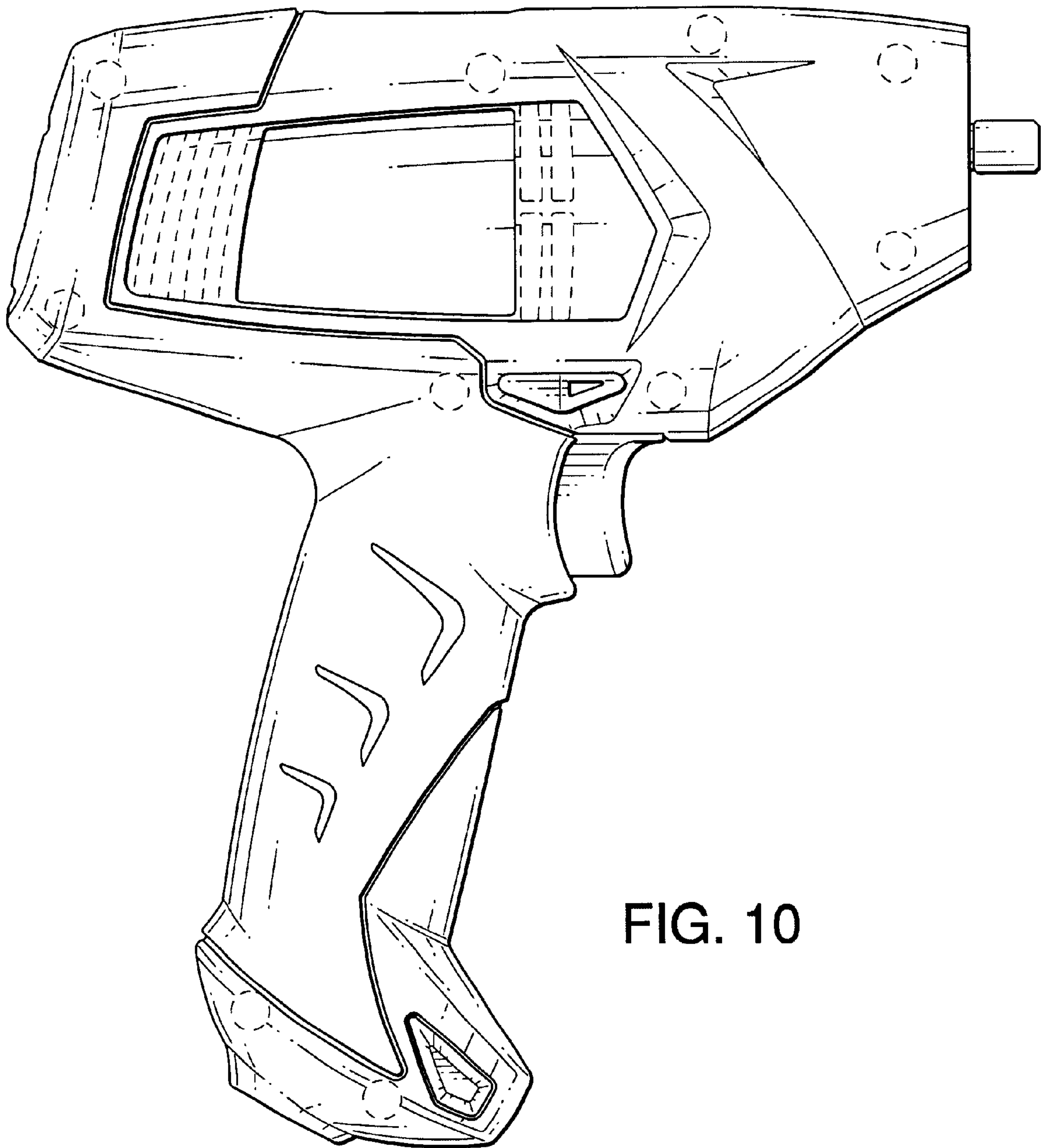


FIG. 10

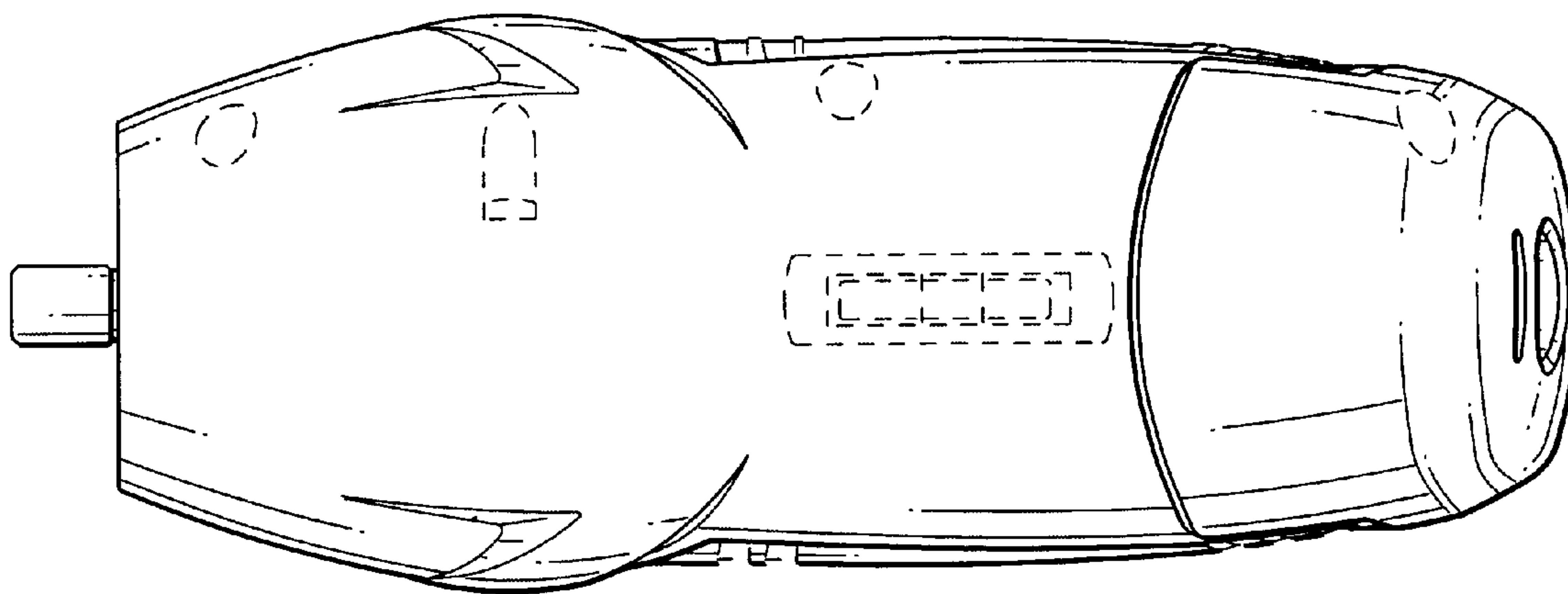


FIG. 11

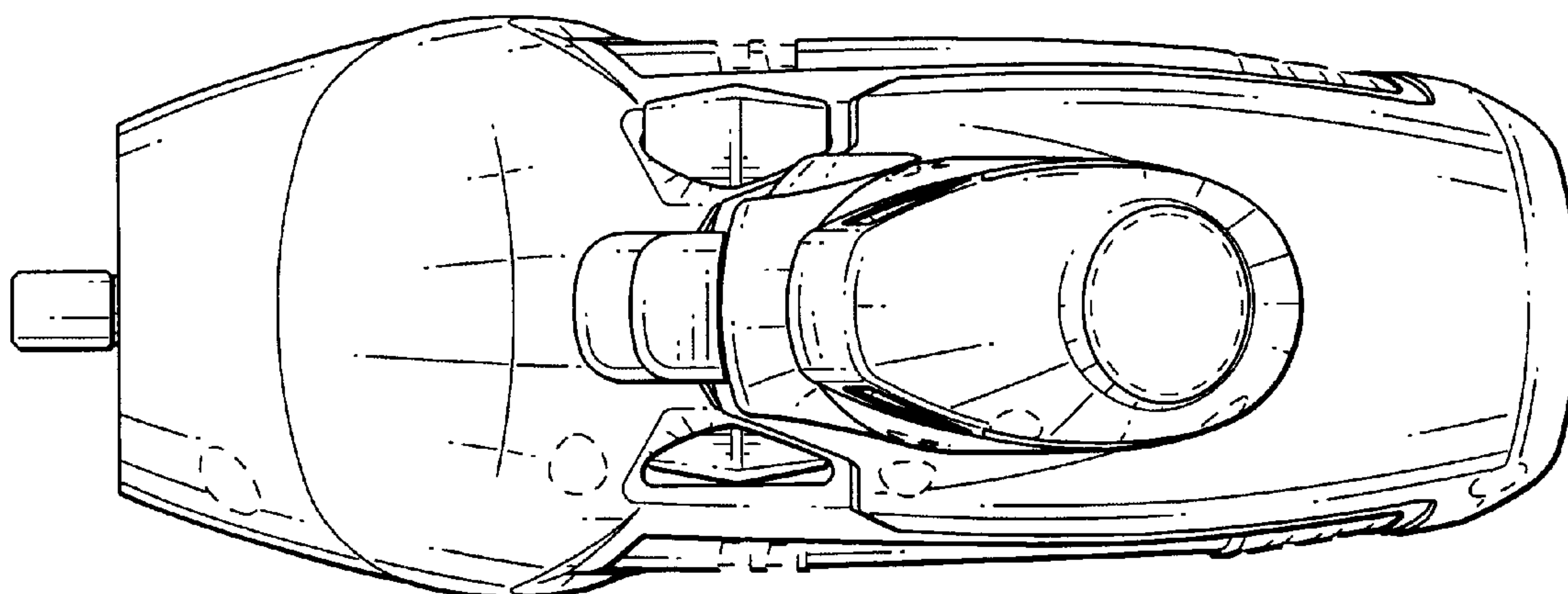


FIG. 12

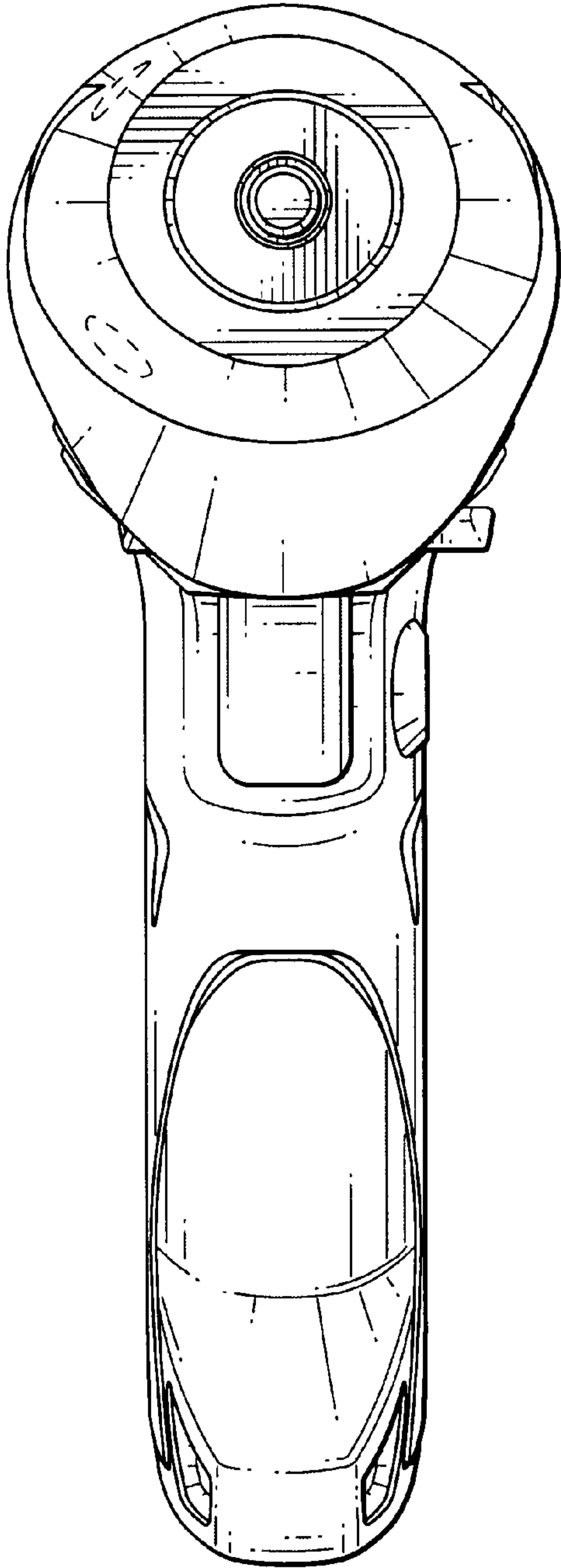


FIG. 13

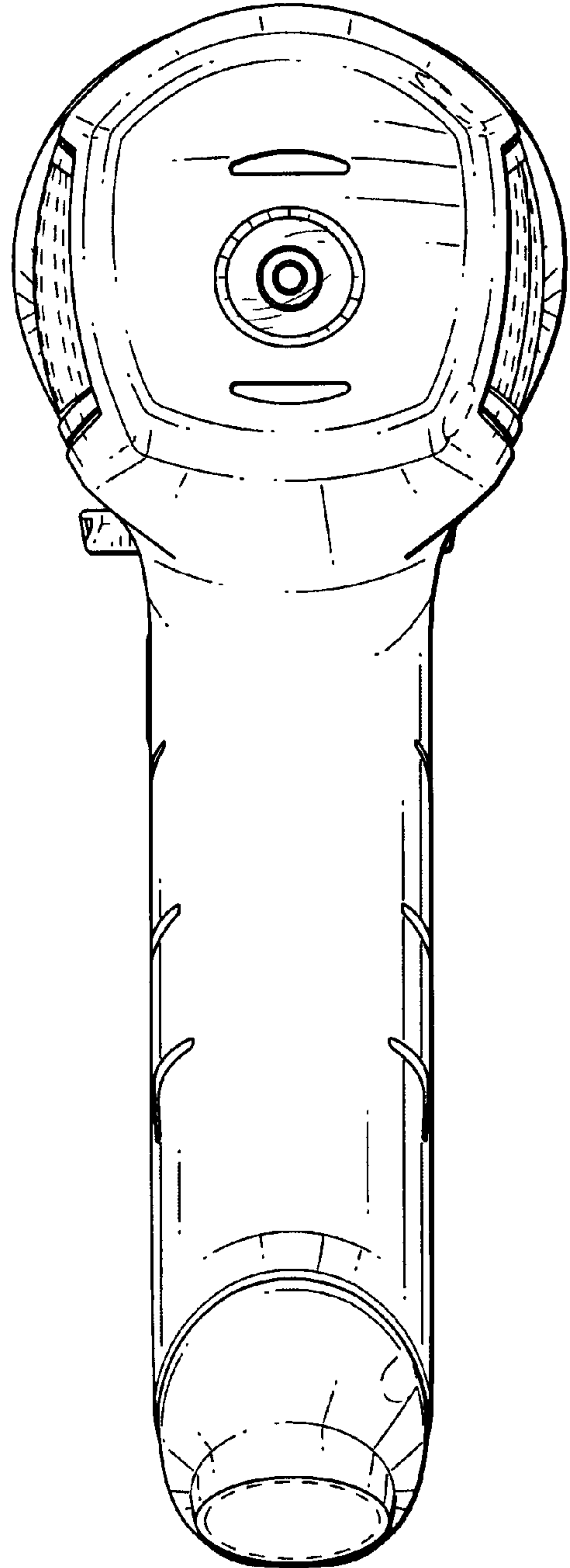


FIG. 14

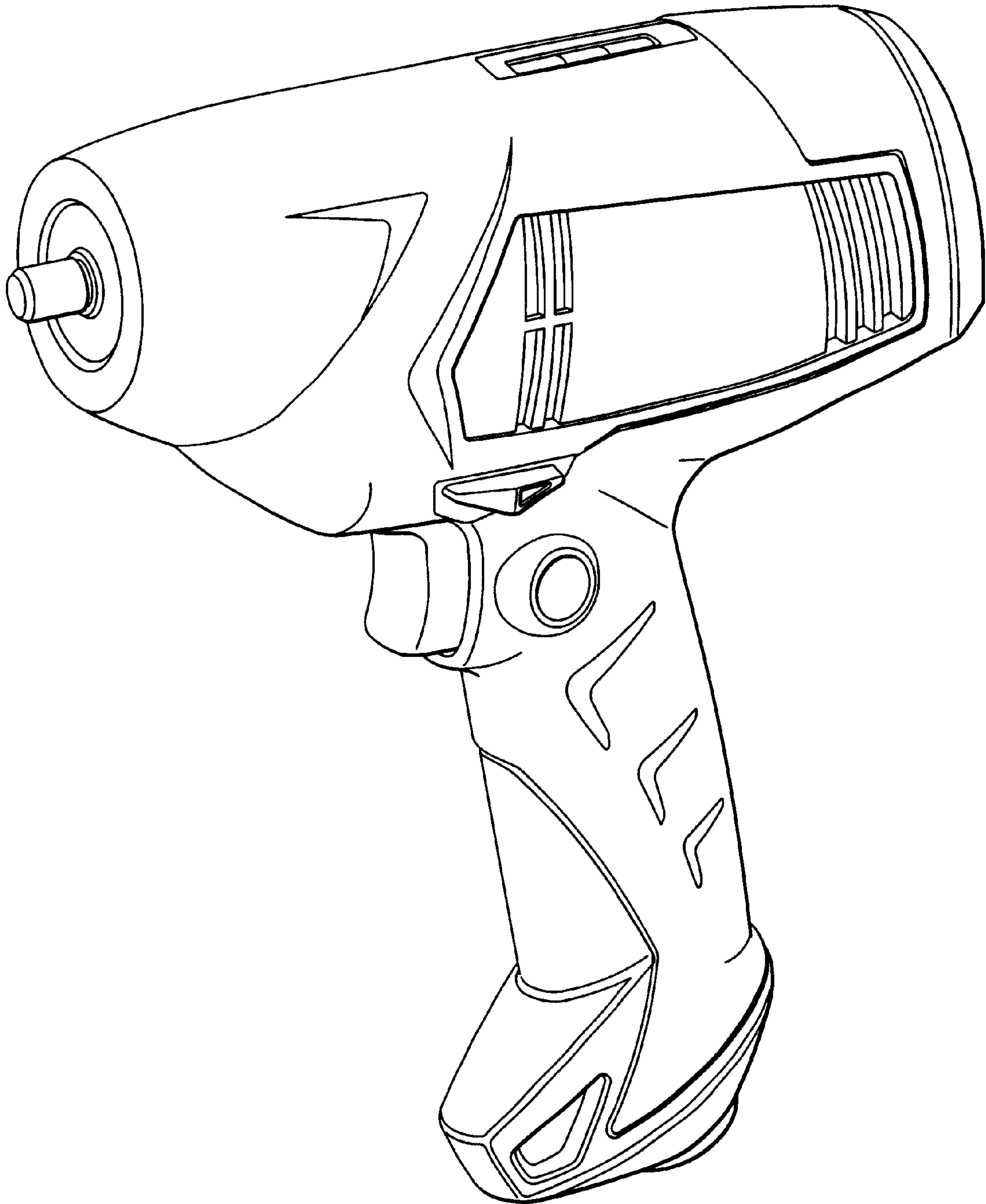


FIG. 15



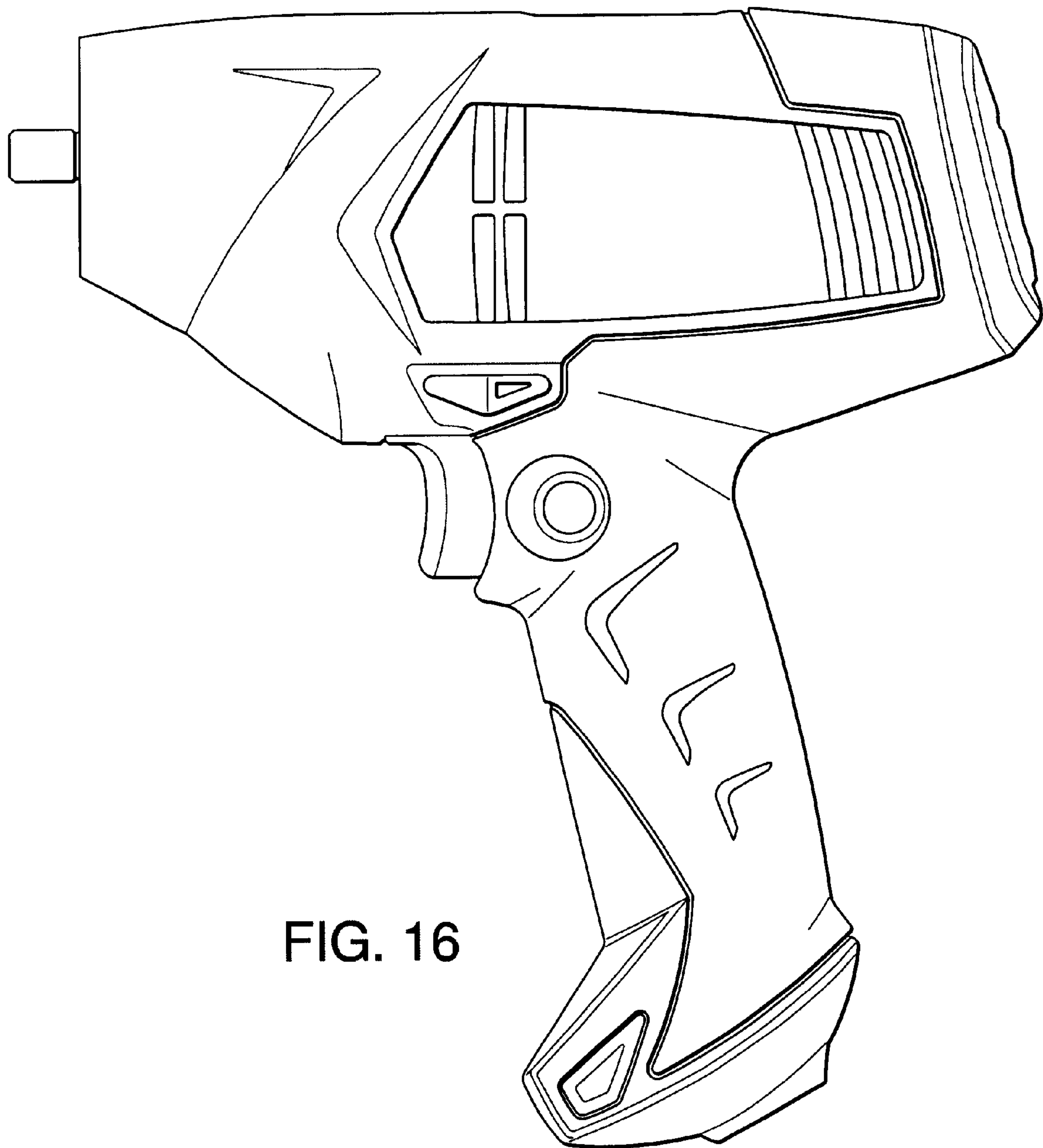


FIG. 16

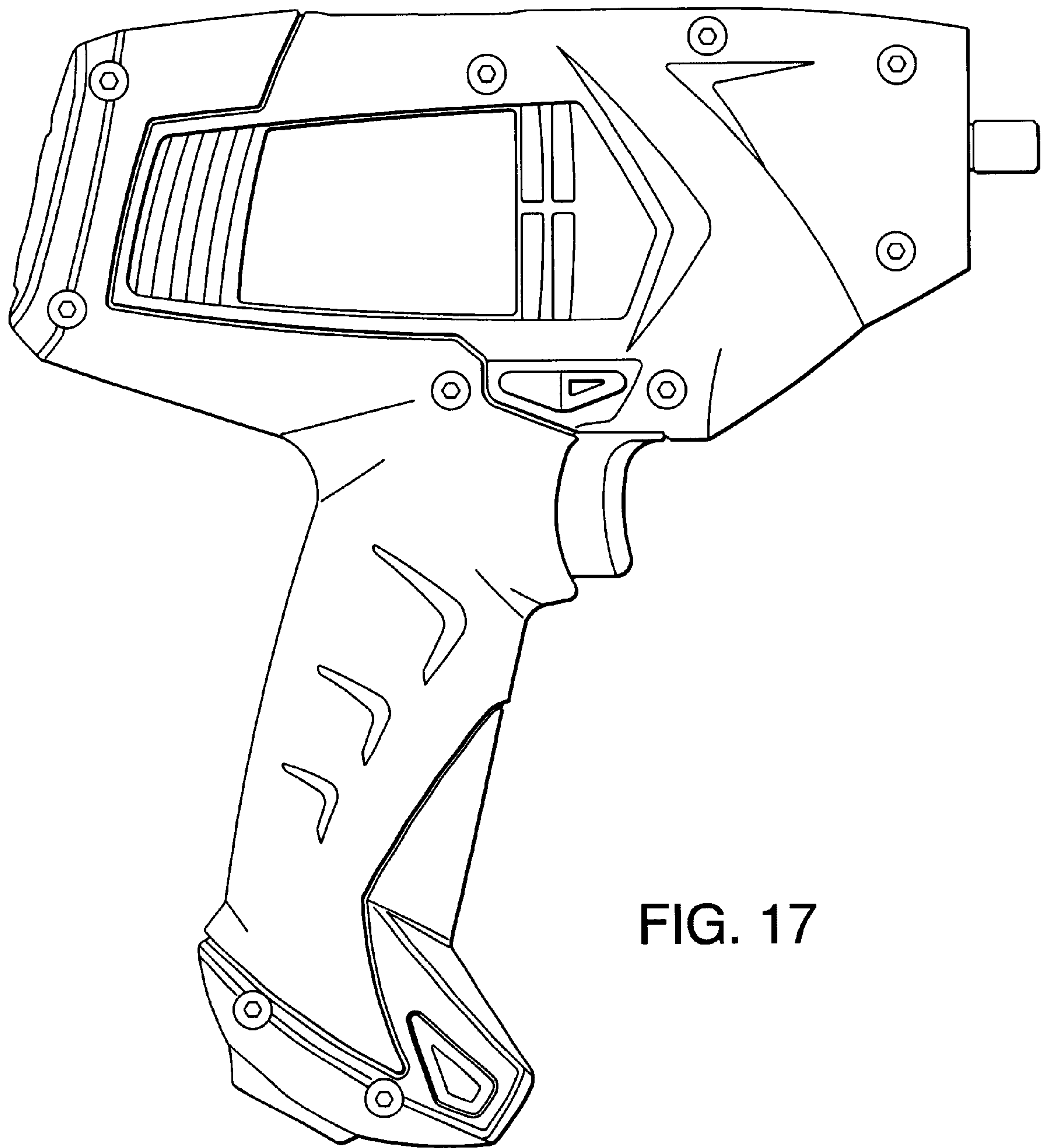


FIG. 17

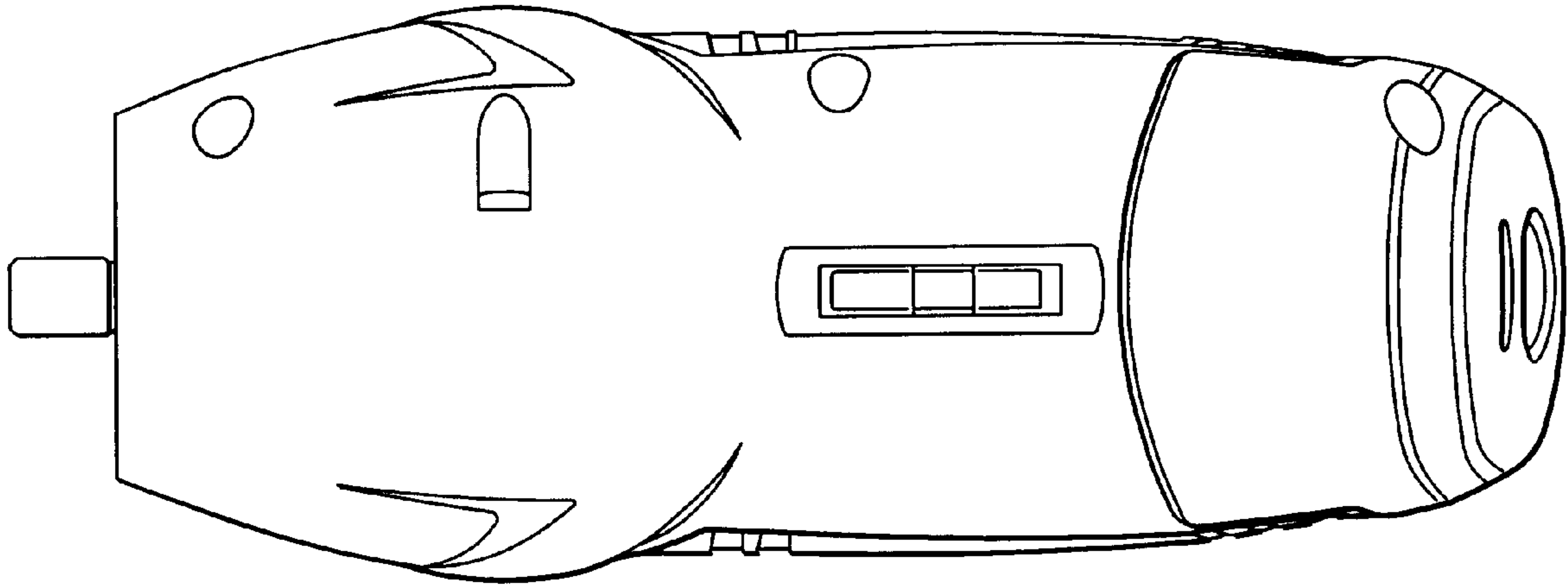


FIG. 18

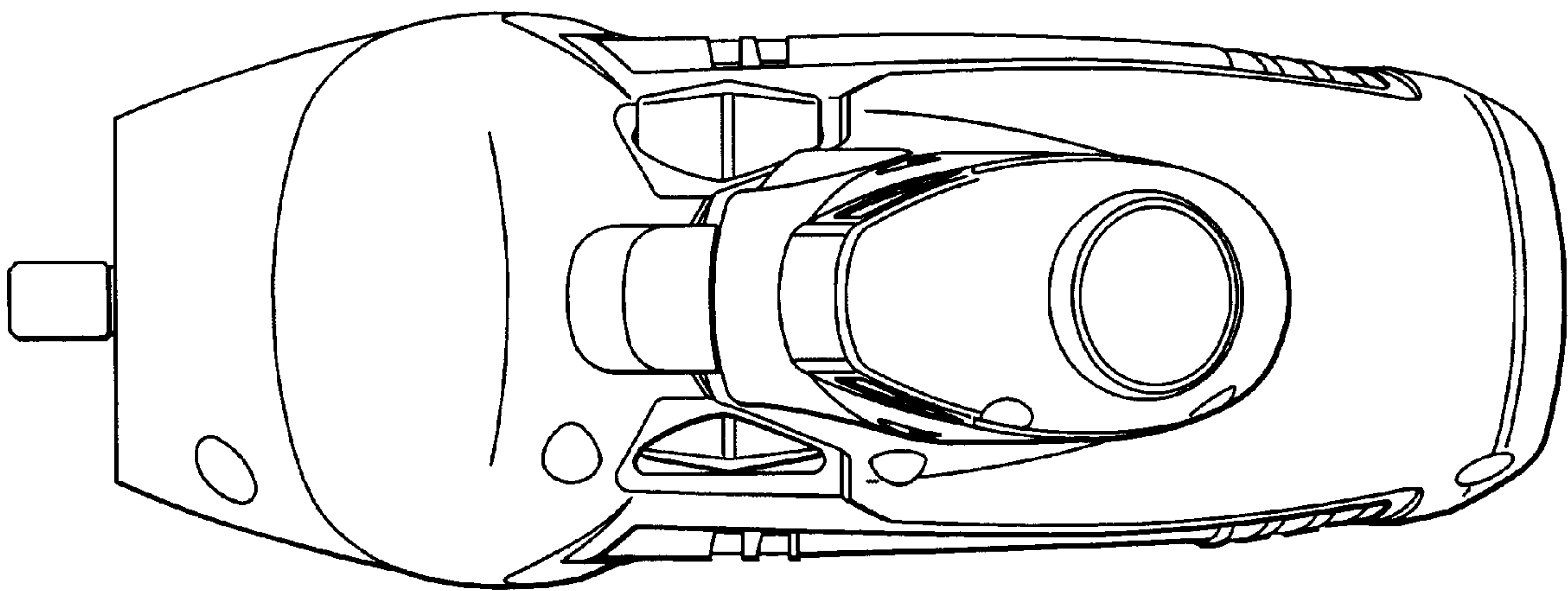


FIG. 19

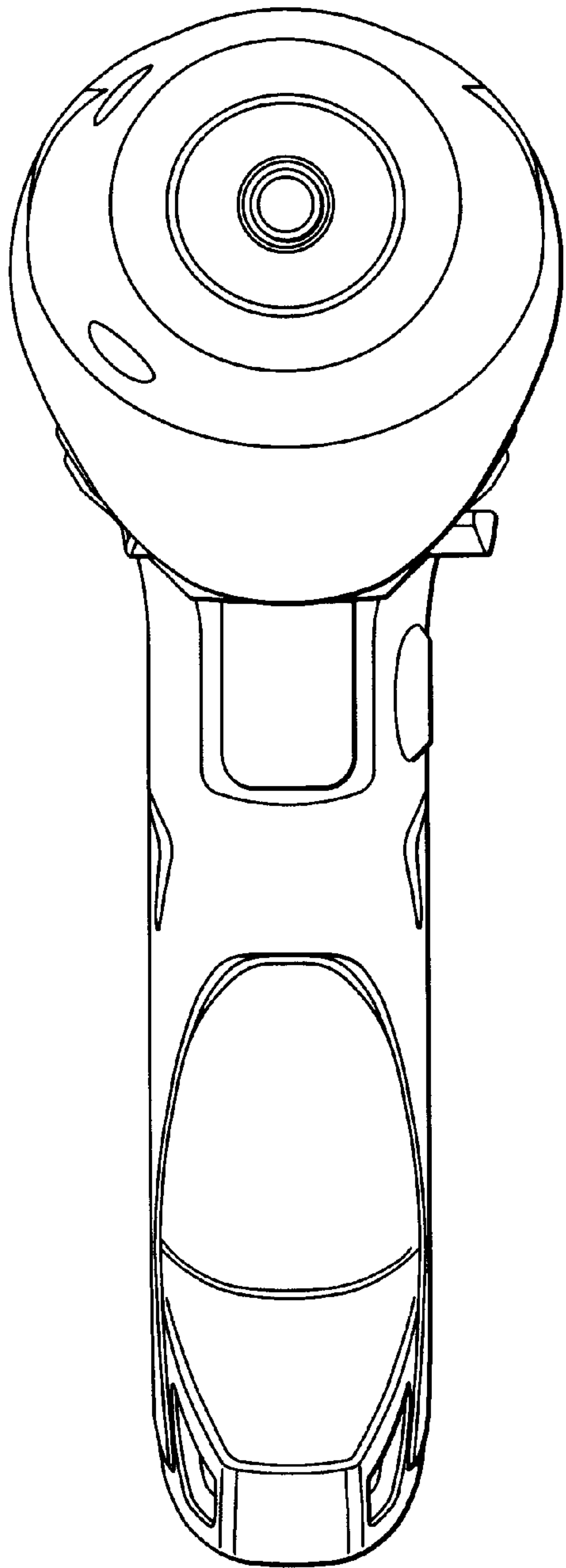


FIG. 20

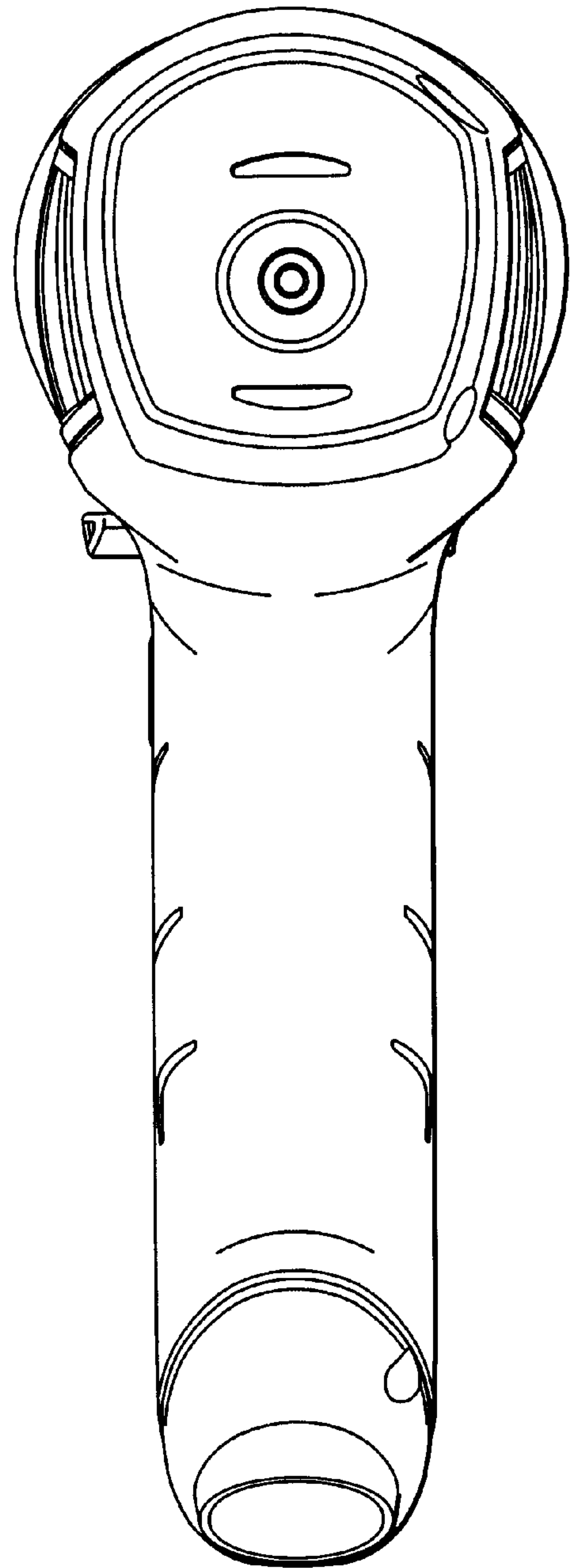


FIG. 21

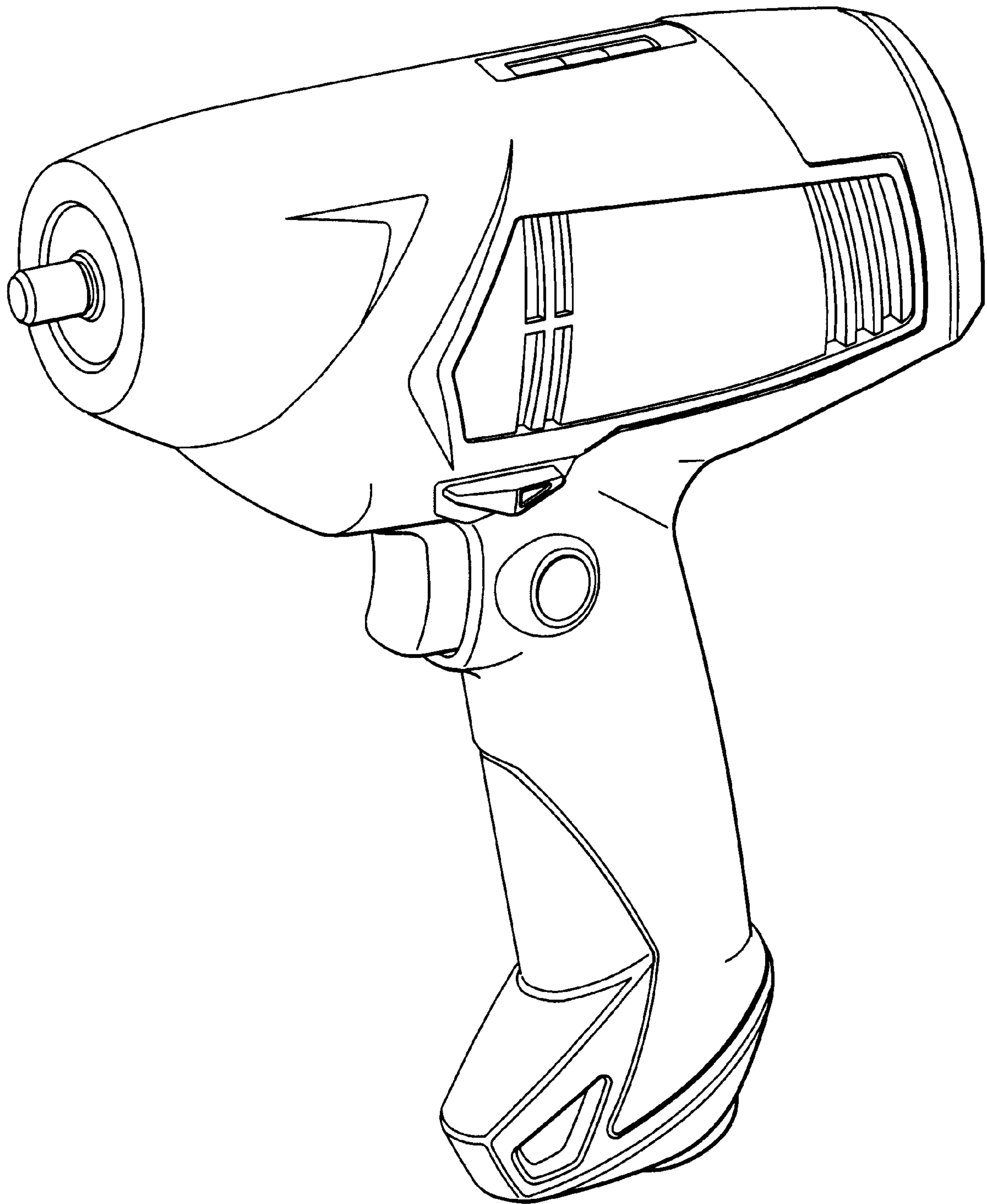


FIG. 22



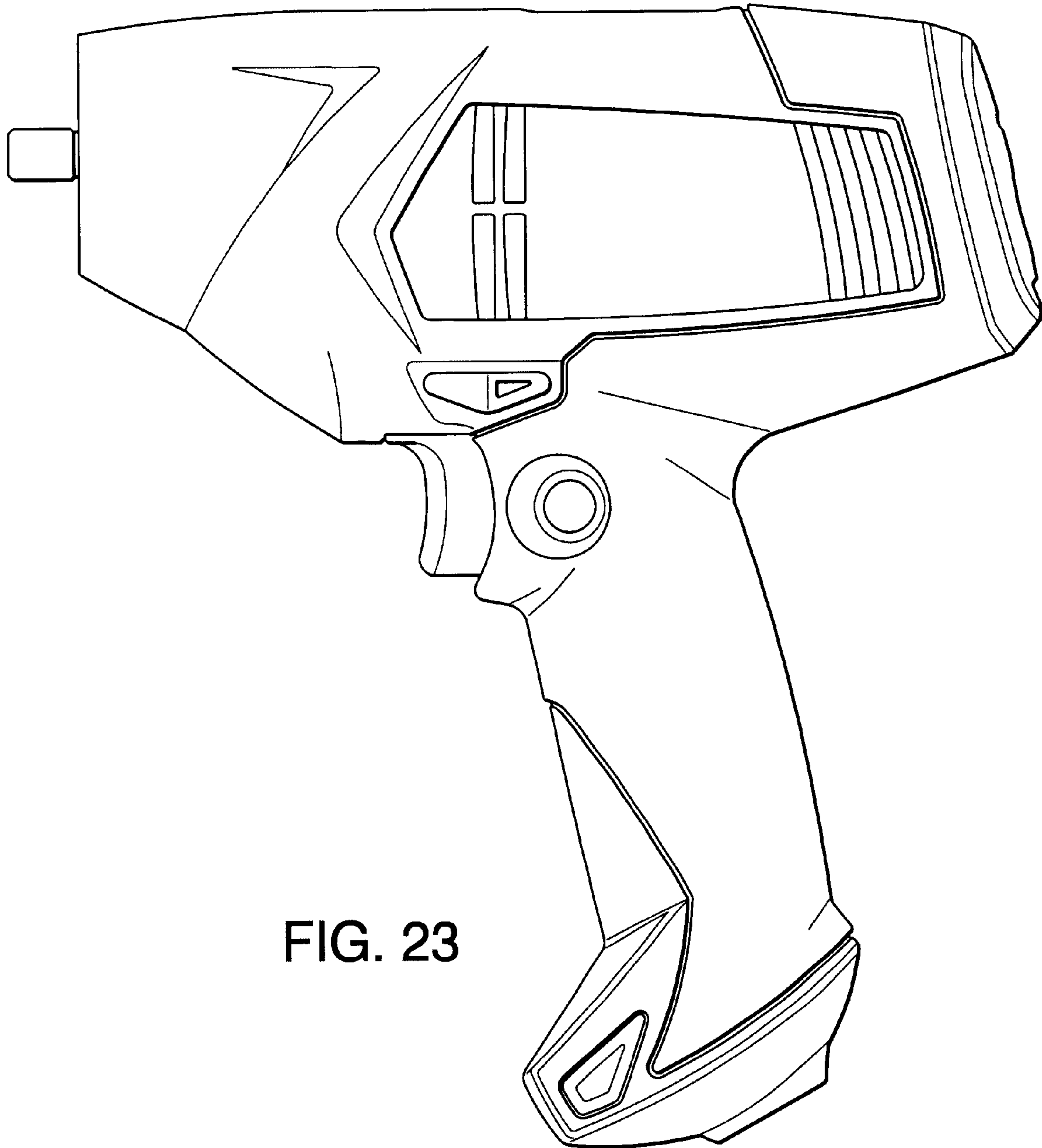


FIG. 23

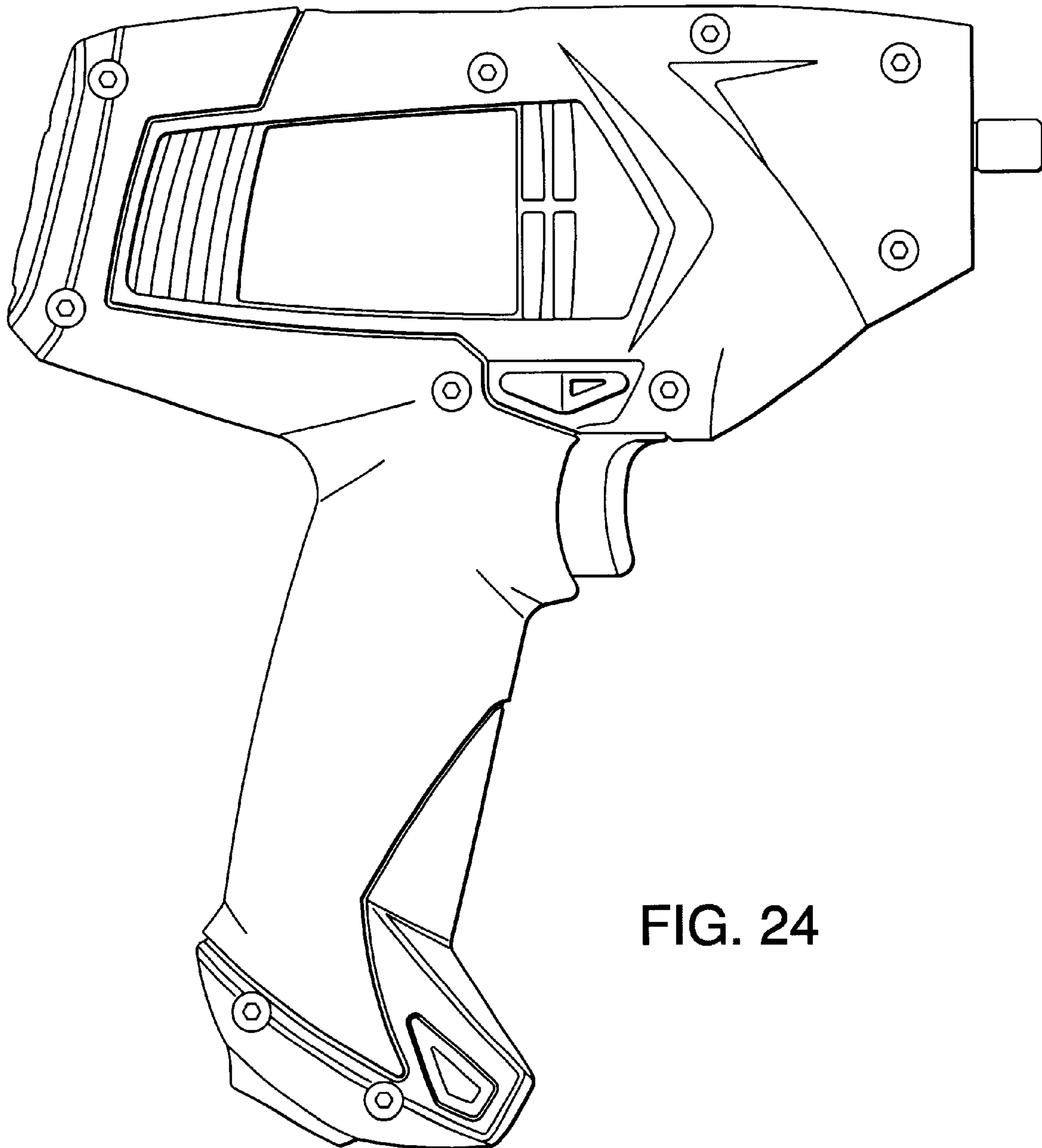


FIG. 24

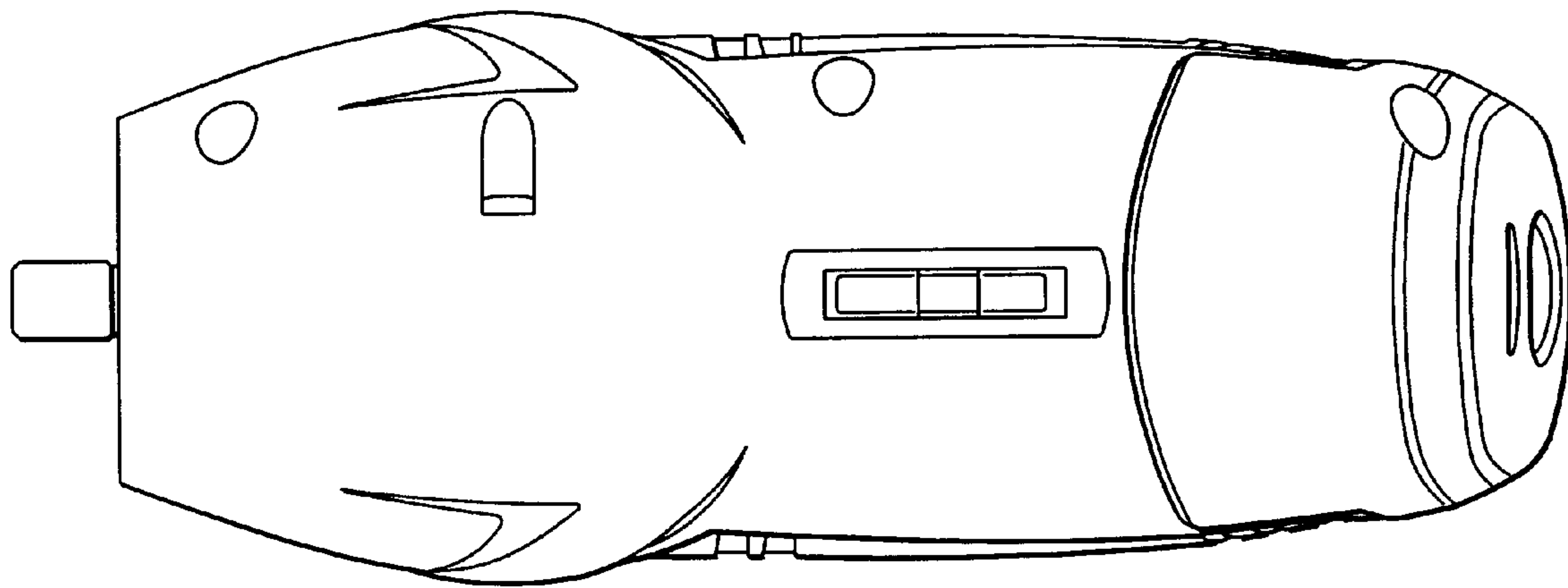


FIG. 25

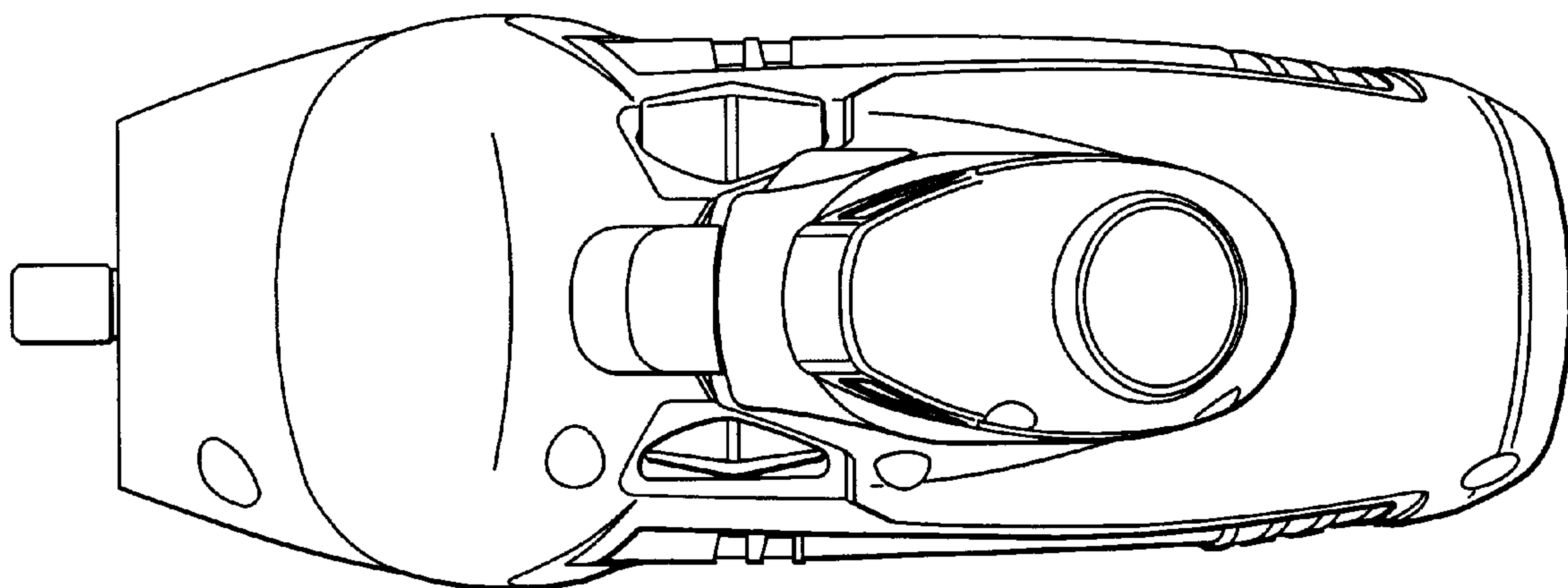


FIG. 26

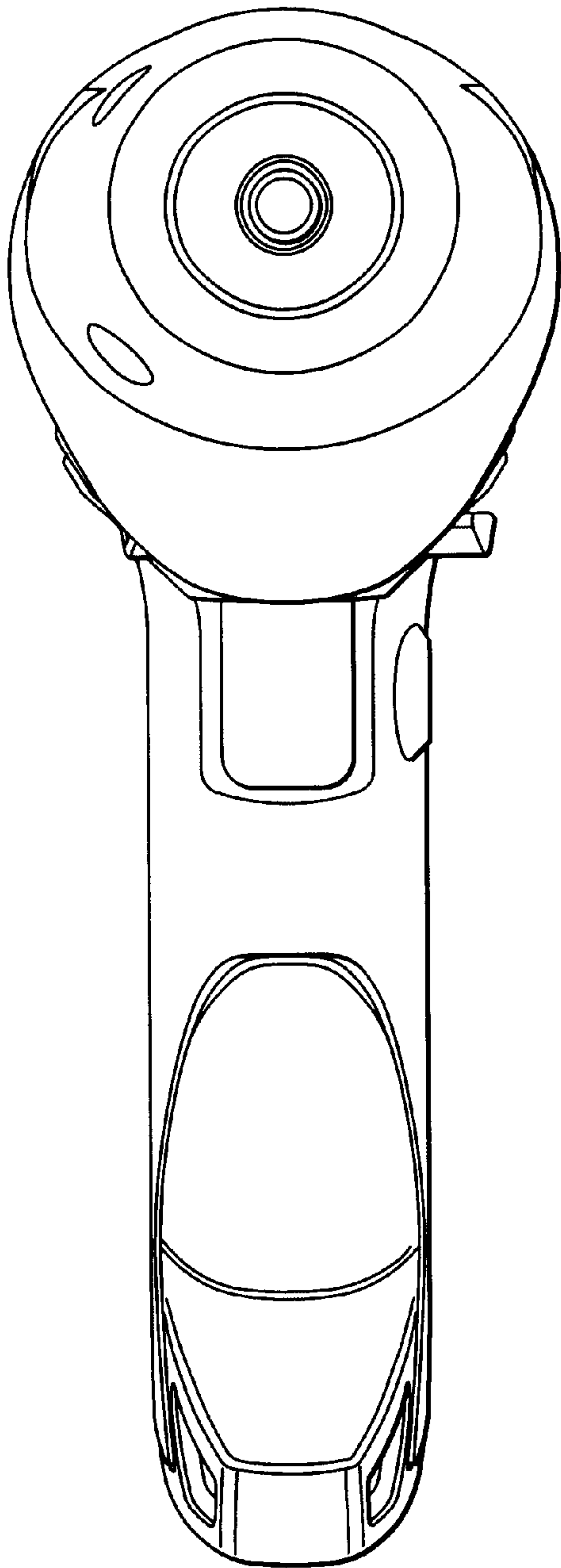


FIG. 27

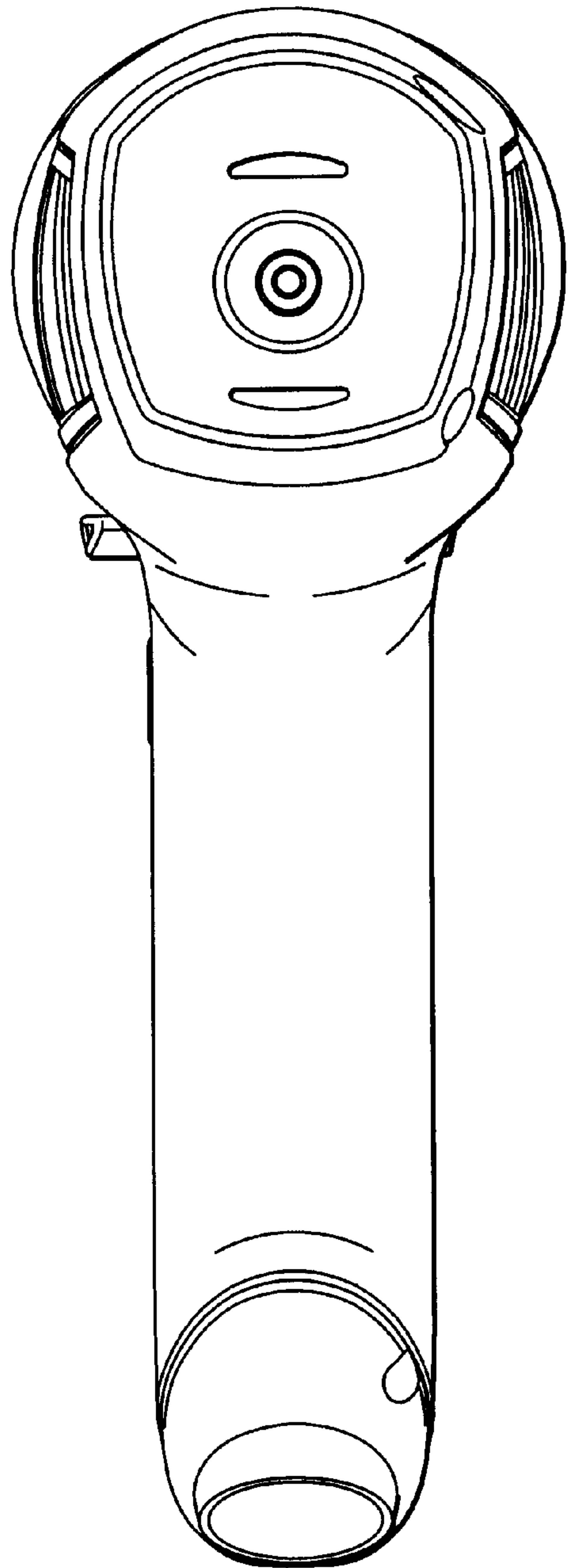


FIG. 28