

US00D970999S

(12)

United States Design Patent

Ghode et al.

(10)

Patent No.:

US D970,999 S

(45)

Date of Patent:

** Nov. 29, 2022

(54) IMPACT WRENCH

(71) Applicant: Snap-on Incorporated, Kenosha, WI (US)

(72) Inventors: Anil P. Ghode, Libertyville, IL (US); Isidro Alanis, Kenosha, WI (US); Paul Griffin, Saint Augustine, FL (US); Michael Holden, Kenosha, WI (US); Kyle A. Nagelkirk, Milwaukee, WI (US); Jeffrey D. Weiss, Kenosha, WI (US)

(73) Assignee: Snap-on Incorporated, Kenosha, WI (US)

(**) Term: 15 Years

(21) Appl. No.: 29/825,646

(22) Filed: Feb. 3, 2022

Related U.S. Application Data

(62) Division of application No. 29/735,023, filed on May 18, 2020, now Pat. No. Des. 951,736.

(51) LOC (13) Cl. 08-05

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

(58) Field of Classification Search USPC D8/61, 67, 68 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.

References Cited

U.S. PATENT DOCUMENTS

D294,001 S * 2/1988 Greenlee D8/68

D388,678 S * 1/1998 Bantly D8/68

D393,580 S * 4/1998 Bantly D8/68

6,082,468 A * 7/2000 Pusateri B25F 5/02 173/171

D434,297 S * 11/2000 Iritani D8/68

D434,298 S * 11/2000 Izumisawa D8/68

D436,818 S * 1/2001 Izumisawa D8/68

D459,179 S * 6/2002 Morgan D8/68

D461,110 S * 8/2002 Izumisawa D8/68

(Continued)

FOREIGN PATENT DOCUMENTS

CN 303674697 5/2016

CN 304966344 12/2018

(Continued)

OTHER PUBLICATIONS

Bradley Ford. "The 10 Best Cordless Impact Wrenches." Popular Mechanics., Mar. 19, 2020 [online], [retrieved on Jun. 6, 2021]. Retrieved from the Internet <URL: <https://www.popularmechanics.com/home/tools/reviews/g2028/the-best-impact-wrenches/>>.*

(Continued)

Primary Examiner — Darlington Ly

(74) Attorney, Agent, or Firm — Seyfarth Shaw LLP

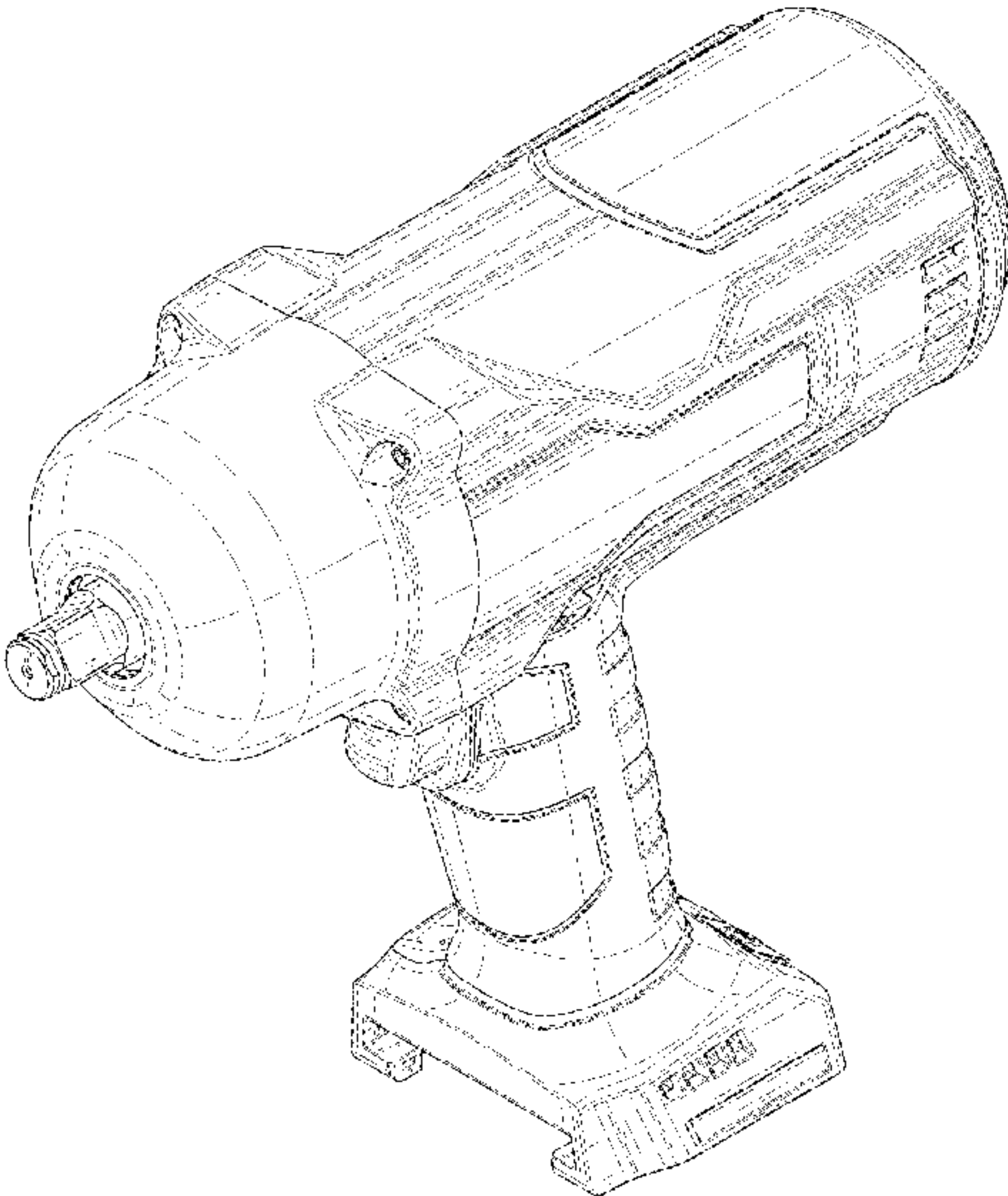
(57) CLAIM

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

DESCRIPTION

FIG. 1 is a front perspective view of an impact wrench embodying our new design;
FIG. 2 is a front elevation thereof;
FIG. 3 is a rear elevation thereof;
FIG. 4 is a right side elevation view thereof;
FIG. 5 is a left side elevation view thereof;
FIG. 6 is a top plan view thereof; and,
FIG. 7 is a bottom plan view thereof.
The broken lines in the drawings illustrate portions of the impact wrench that form no part of the claimed design.

1 Claim, 7 Drawing Sheets



(56)

References Cited

U.S. PATENT DOCUMENTS

D465,982	S	*	11/2002	Taga	.....	D8/68
D469,673	S	*	2/2003	Sliker	.....	D8/68
D472,782	S	*	4/2003	Pusateri	.....	D8/68
D476,210	S	*	6/2003	Chen	.....	D8/68
D477,512	S	*	7/2003	Liu	.....	D8/68
D493,085	S	*	7/2004	Copeland, II	.....	D8/68
D496,243	S	*	9/2004	Huang	.....	D8/68
D497,529	S	*	10/2004	Price	.....	D8/68
D497,787	S	*	11/2004	Liao	.....	D8/68
6,883,619	B1	*	4/2005	Huang	.....	B25B 21/02 173/168
D507,732	S	*	7/2005	Nowak	.....	D8/68
D521,339	S	*	5/2006	Chen	.....	D8/68
D534,047	S	*	12/2006	Chi	.....	D8/68
D540,641	S	*	4/2007	Clay	.....	D8/68
7,673,702	B2	*	3/2010	Johnson	.....	B25B 21/00 173/109
D664,413	S		7/2012	Steinfels		
D707,522	S		6/2014	Naksen		
D716,125	S	*	10/2014	Yaschur	.....	D8/68
D774,860	S	*	12/2016	Colin	.....	D8/68
D775,919	S	*	1/2017	Lee	.....	D8/68
D837,622	S	*	1/2019	Chang	.....	D8/68
D853,217	S	*	7/2019	Paoli	.....	D8/68
D899,208	S	*	10/2020	Thompson	.....	D8/68
D899,210	S	*	10/2020	Thompson	.....	D8/68
D906,076	S	*	12/2020	James	.....	D8/68
D915,853	S	*	4/2021	Lee	.....	D8/68
D929,834	S	*	9/2021	James	.....	D8/68
D929,835	S	*	9/2021	James	.....	D8/68
D929,836	S	*	9/2021	James	.....	D8/68
2002/0152848	A1	*	10/2002	Johnson	.....	B25B 23/0035 81/465
2003/0010513	A1	*	1/2003	Taga	.....	B25B 21/02 173/168
2003/0010514	A1	*	1/2003	Taga	.....	B25F 5/00 173/213

FOREIGN PATENT DOCUMENTS

CN	305230322	6/2019
CN	305667655	3/2020

OTHER PUBLICATIONS

“The Best Cordless Impact Wrench Reviews & Buyer’s Guide.” Cordless Drill Zone., Feb. 14, 2020 [online], [retrieved on Jun. 6, 2021]. Retrieved from the Internet <URL: <https://cordlessdrillzone.com/best-cordless-impact-wrench/>>.*

“10 Best Air Impact Wrench in 2018 [Reviewed After Research].” Air Compressor Agency., Feb. 23, 2018 [online], [retrieved on Jun. 6, 2021]. Retrieved from the Internet <URL: <https://topaircompressorreviews.com/best-air-impact-wrench-reviews/>>.*

Todd Fratzel. “Impact Driver Head to Head.” Tool Box Buzz., Jun. 17, 2017 [online], [retrieved on Jun. 6, 2021]. Retrieved from the Internet <URL: <https://www.toolboxbuzz.com/cordless-tools/impact-driver/impact-driver-head-to-head/>>.*

Canadian Examination Report for corresponding Application No. 199328 dated Feb. 28, 2022, 3 pages.

Design Examination Report No. 1 for corresponding Australian Application No. 202111243 dated Jun. 1, 2021, 9 pages.

Taiwan Office Action for corresponding Taiwan Application No. 11020559050 dated Jun. 16, 2021, 3 pages.

Taiwan Office Action for corresponding Taiwan Application No. 11020559870 dated Jun. 16, 2021, 3 pages.

Design Examination Report No. 1 for corresponding Australian Application No. 202016274 dated Jun. 30, 2021, 25 pages.

Snap-on Tools, “The CT9075 MonsterLithium Brushless Cordless 18 V 12 Impact Wrench Kit,” YouTube, published Nov. 9, 2019, https://www.youtube.com/watch?v=MhW_vAKILv8.

Snap-on Industrial Aviation Pros, “18Volt 12 Drive Monster Lithium Brushless Cordless Impact Wrench Kit,” published Nov. 4, 2019, <https://www.aviationpros.com/tools-equipment/shop-equipment/product/21112936/snapon-industrial-18volt-12-drive-monster-lithium-brushless-cordless-impact-wrench-kit>.

Snap-on Wednesday, “But on a Saturday I Got The CT9075,” YouTube, published Nov. 24, 2019, <https://www.youtube.com/watch?v=oAgd3nZK3cA>.

Snap-on Tools, “Snapon CT9100 18v MonsterLithium Cordless Impact,” YouTube, published Apr. 30, 2020, <https://www.youtube.com/watch?v=TKNI2hmjweE>.

Bradley Ford. “The 10 Best Cordless Impact Wrenches.” Popular Mechanics., Mar. 19, 2020 [online], retrieved on Jun. 6, 2021]. Retrieved from the Internet <URL: <https://cordlessdrillzone.com/best-cordless-impact-wrench/>>.

* cited by examiner

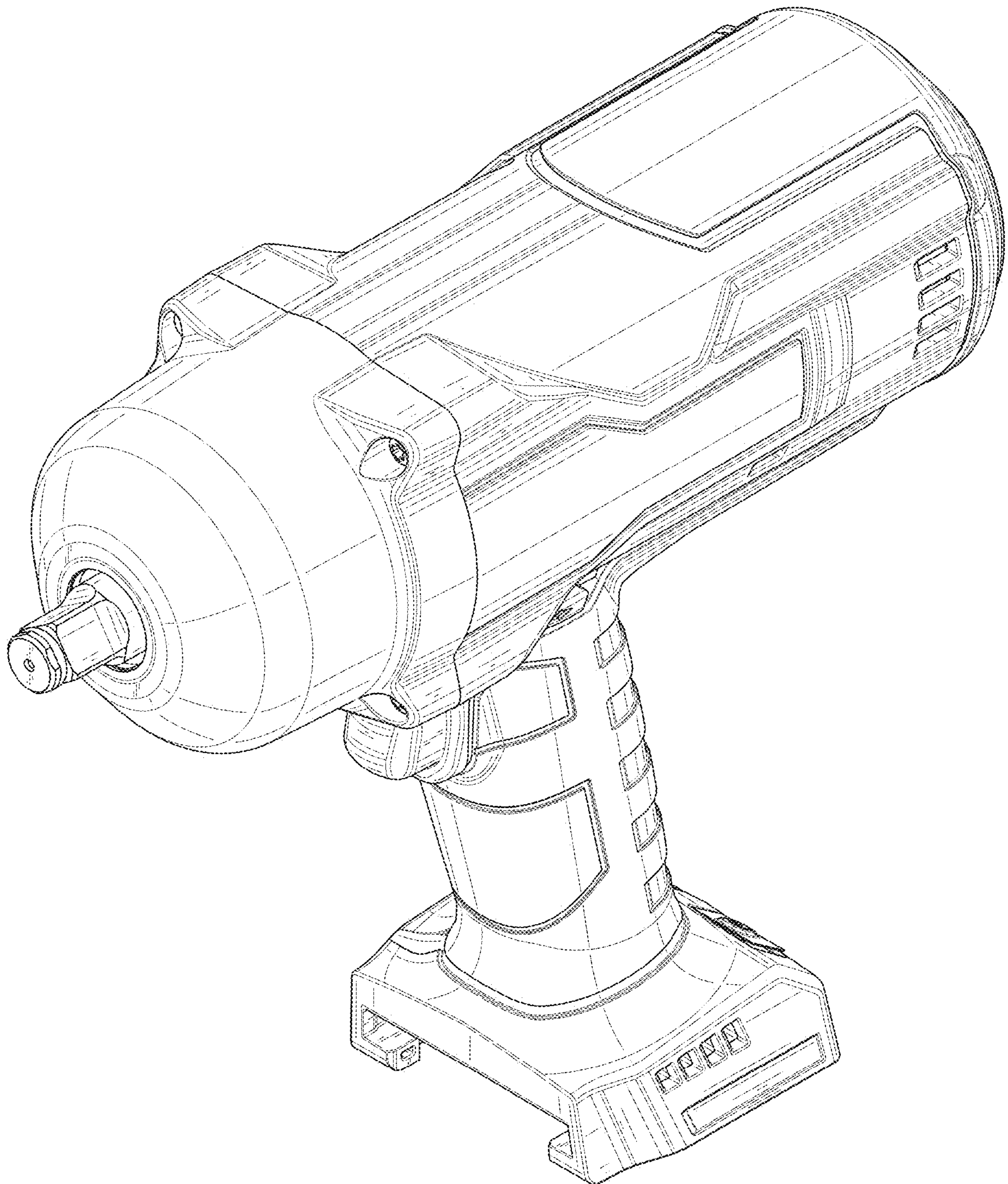


FIG. 1

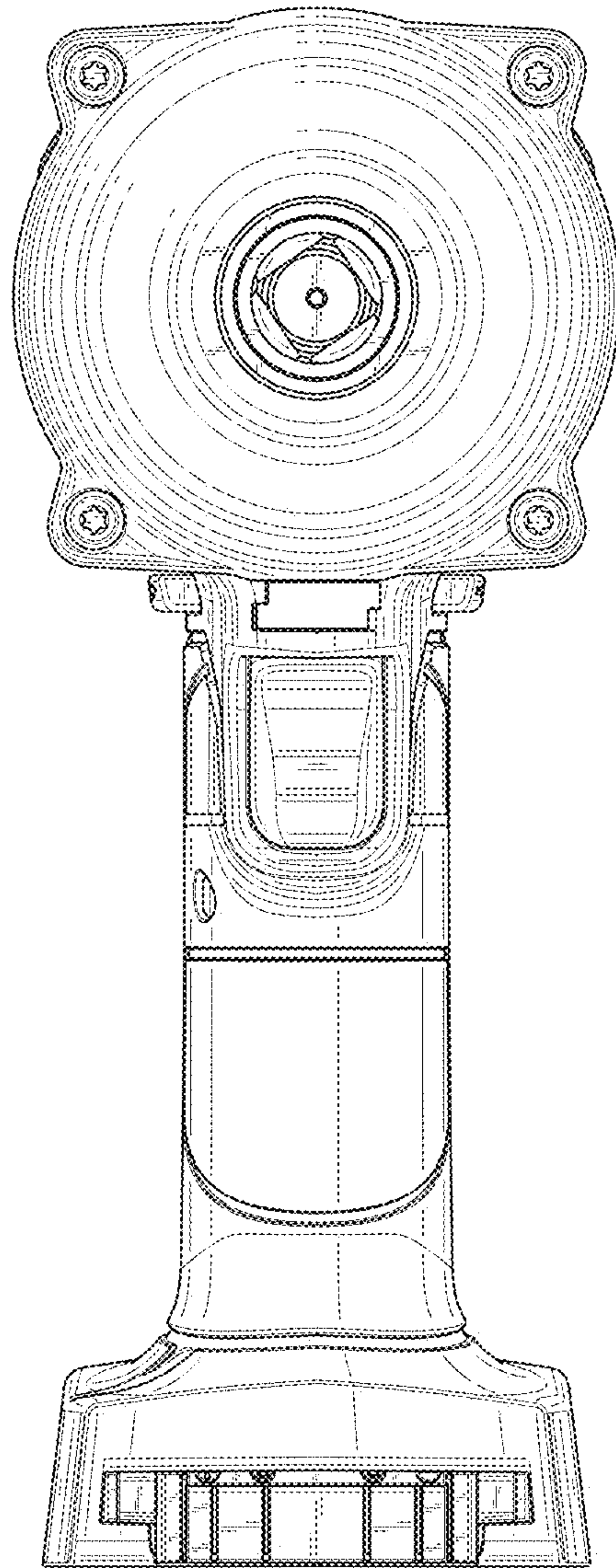


FIG. 2

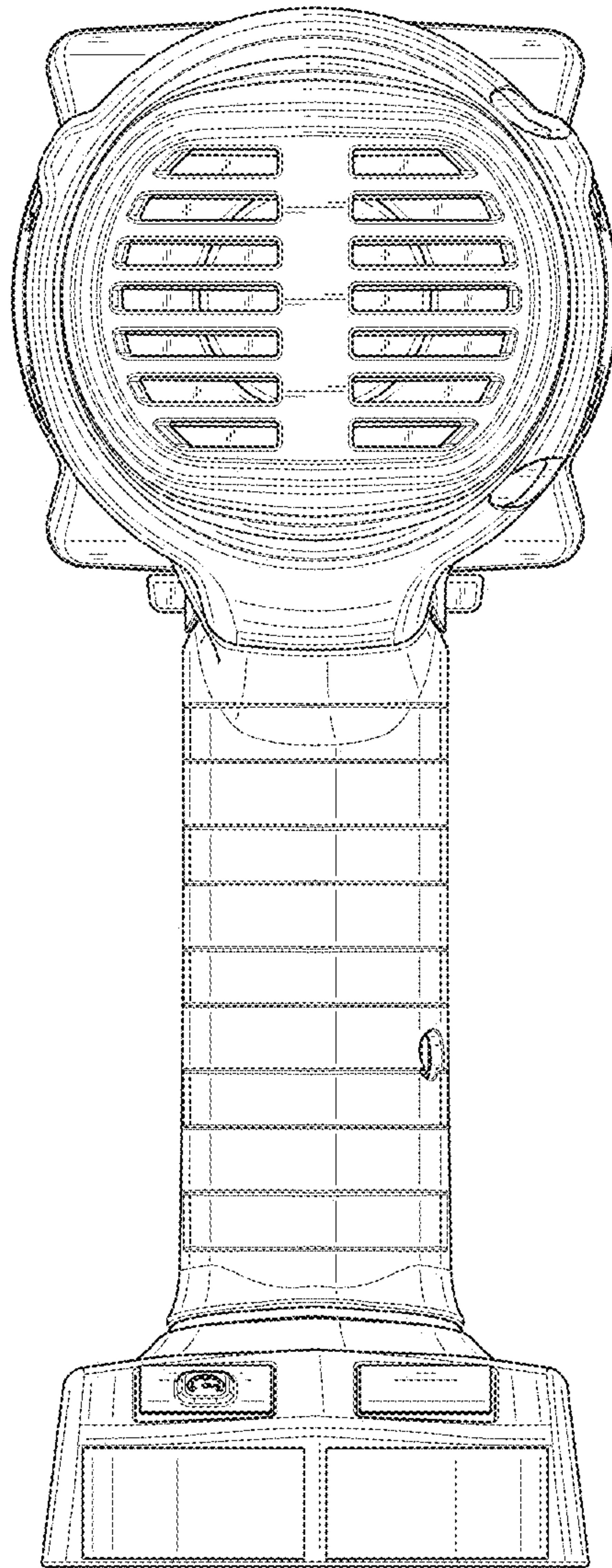


FIG. 3

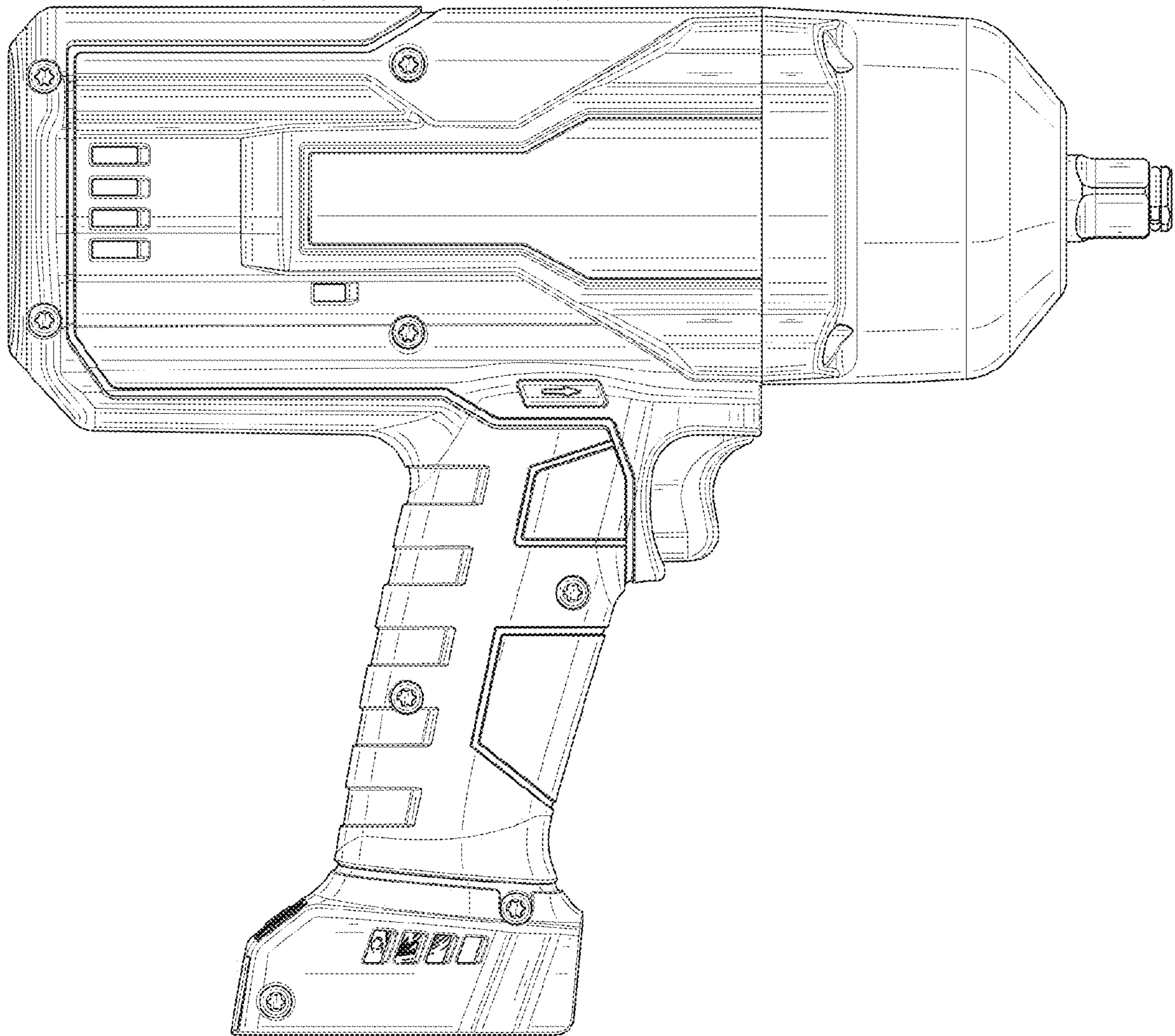


FIG. 4

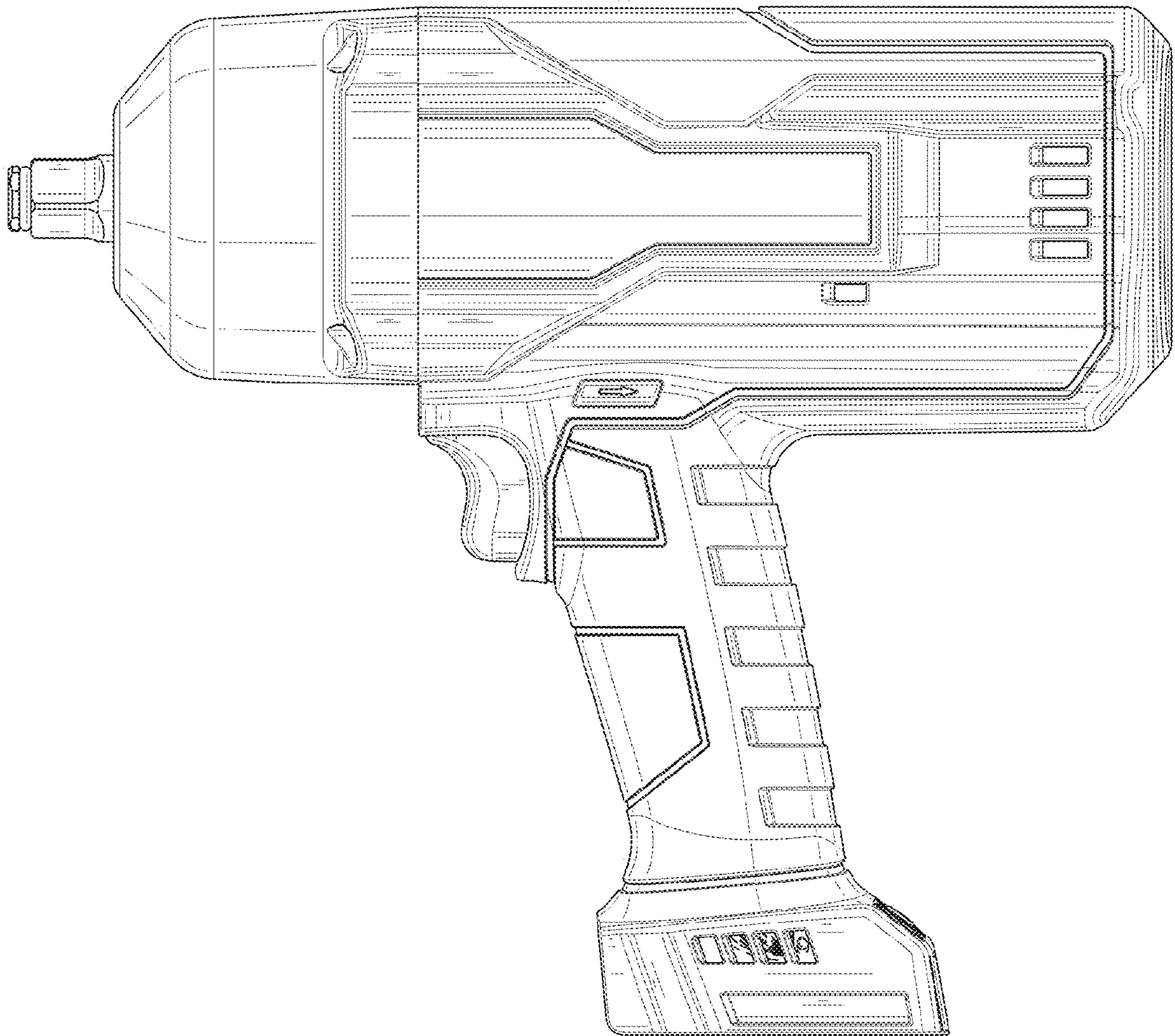


FIG. 5

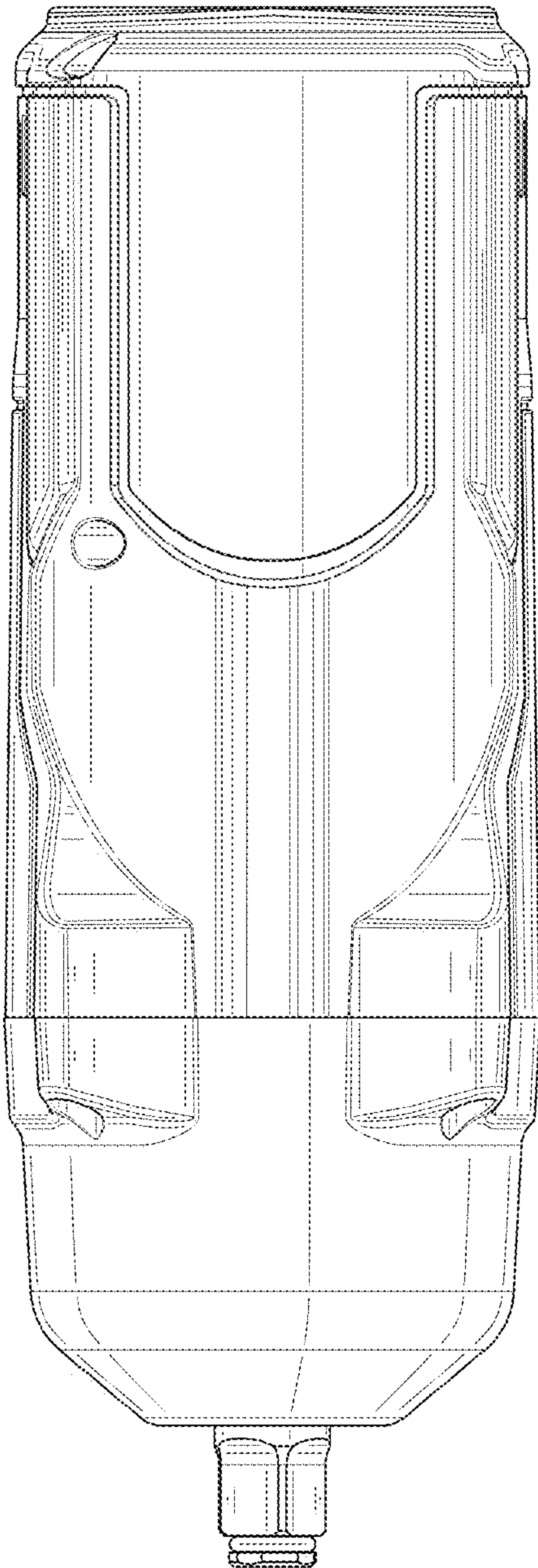


FIG. 6

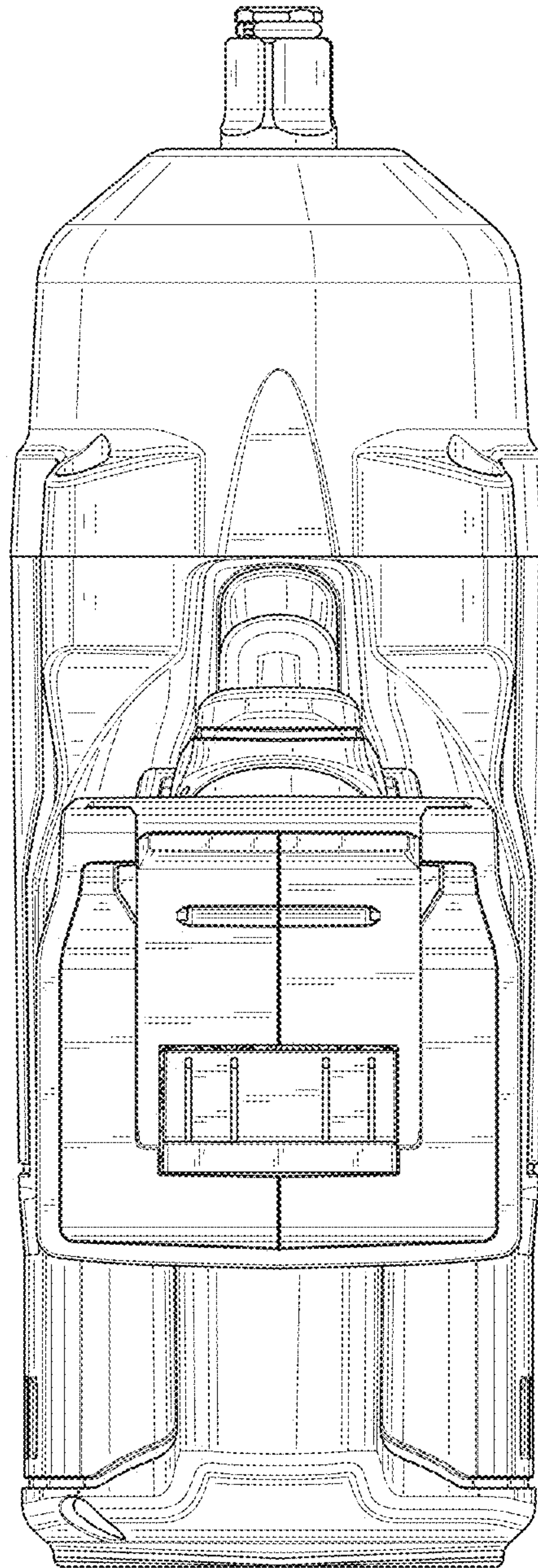


FIG. 7