



US00D918270S

(12) **United States Design Patent** (10) **Patent No.:** **US D918,270 S**
Tang (45) **Date of Patent:** **** May 4, 2021**

(54) **TIRE INFLATOR**
(71) Applicant: **Guifeng Tang**, Jiangsu (CN)
(72) Inventor: **Guifeng Tang**, Jiangsu (CN)
(73) Assignee: **NINGBO MUTIAN ELECTRIC CO., LTD.**, Ningbo (CN)
(**) Term: **15 Years**

D610,421 S * 2/2010 Taniguchi D8/68
8,113,297 B2 * 2/2012 Sakakibara B25F 5/02
173/170
D678,024 S * 3/2013 Taniguchi D8/68
D679,160 S * 4/2013 Okuda D8/68
D694,268 S * 11/2013 Ohm D15/7
8,910,728 B2 * 12/2014 Okuda B25F 5/02
173/93.5
D774,862 S * 12/2016 Naksen D8/68
D805,109 S * 12/2017 Exley D15/7
D814,262 S * 4/2018 Khubani D8/68
(Continued)

(21) Appl. No.: **29/718,507**

(22) Filed: **Dec. 25, 2019**

(51) **LOC (13) Cl.** **15-02**

(52) **U.S. Cl.**
USPC **D15/7**

(58) **Field of Classification Search**
USPC D15/7-9; D13/103; D24/111; D8/61,
D8/68
CPC F04B 53/00; F04B 49/00; F04B 35/06;
F04B 33/005; F04B 17/06; B25B 21/02;
B25B 21/00; F04D 25/0673
See application file for complete search history.

(56) **References Cited**

U.S. PATENT DOCUMENTS

D323,276 S * 1/1992 Fushiya D8/68
D339,046 S * 9/1993 Fushiya D8/68
D399,213 S * 10/1998 Sorensen D15/7
D400,892 S * 11/1998 Williams D15/9
D423,519 S * 4/2000 Bonzer D15/9
6,065,947 A * 5/2000 Wu F04B 25/02
417/526
6,257,849 B1 * 7/2001 Wu F04B 33/005
417/238
D462,592 S * 9/2002 Cooper D8/68
D462,594 S * 9/2002 Flickinger D8/68
D464,976 S * 10/2002 Krieger D15/9
D484,384 S * 12/2003 Ghode D8/68
D510,939 S * 10/2005 Nikolayev D15/9
D515,378 S * 2/2006 Wu D8/68
D581,967 S * 12/2008 Murray D17/9

OTHER PUBLICATIONS

AUTDER, AUTDER Tire Inflator Air Compressor, Portable Car Air Pump with Digital Pressure Gauge, (first available Oct. 11, 2019), Amazon.com, URL:<https://www.amazon.com/AUTDER-Inflator-Compressor-Portable-Rechargeable/dp/B07XZ38HJC/ref=pd_lpo_469_t_0/143-7852170-7573450> (Year: 2019).*

Primary Examiner — Sheryl Lane
Assistant Examiner — Mark T. Philipps

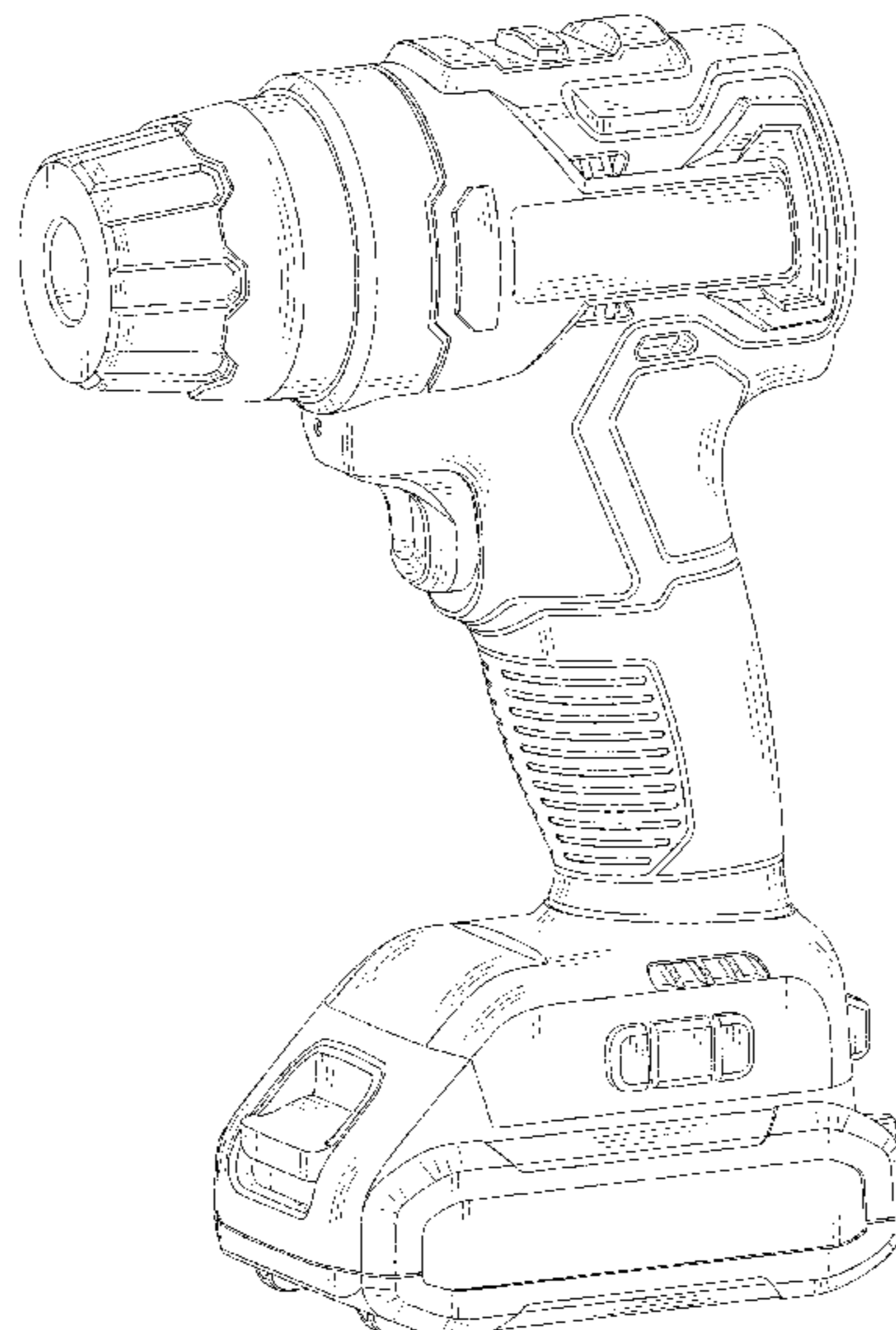
(57) **CLAIM**

The ornamental design for a tire inflator, as shown and described.

DESCRIPTION

FIG. 1 is a perspective view of a tire inflator showing my new design;
FIG. 2 is a front elevational view thereof;
FIG. 3 is a rear elevational view thereof;
FIG. 4 is a left side elevational view thereof;
FIG. 5 is a right side elevational view thereof;
FIG. 6 is a top plan view thereof; and,
FIG. 7 is a bottom plan view thereof.
The broken line showing of tire inflator is included for the purpose of illustrating portions of the article and forms no part of the claimed design.

1 Claim, 7 Drawing Sheets



(56)

References Cited

U.S. PATENT DOCUMENTS

D817,364 S *	5/2018	He	D15/7
D839,069 S *	1/2019	Koeniger	D8/68
D871,183 S *	12/2019	Imsand	B25F 5/005
			D8/68
D882,365 S *	4/2020	Xu	D8/68
2004/0191098 A1 *	9/2004	Wu	F04B 33/005
			417/469
2008/0247884 A1 *	10/2008	Huang	F04B 33/005
			417/234
2014/0286796 A1 *	9/2014	Wang	F04B 9/06
			417/63
2015/0258970 A1 *	9/2015	Chen	B60S 5/04
			141/351

* cited by examiner

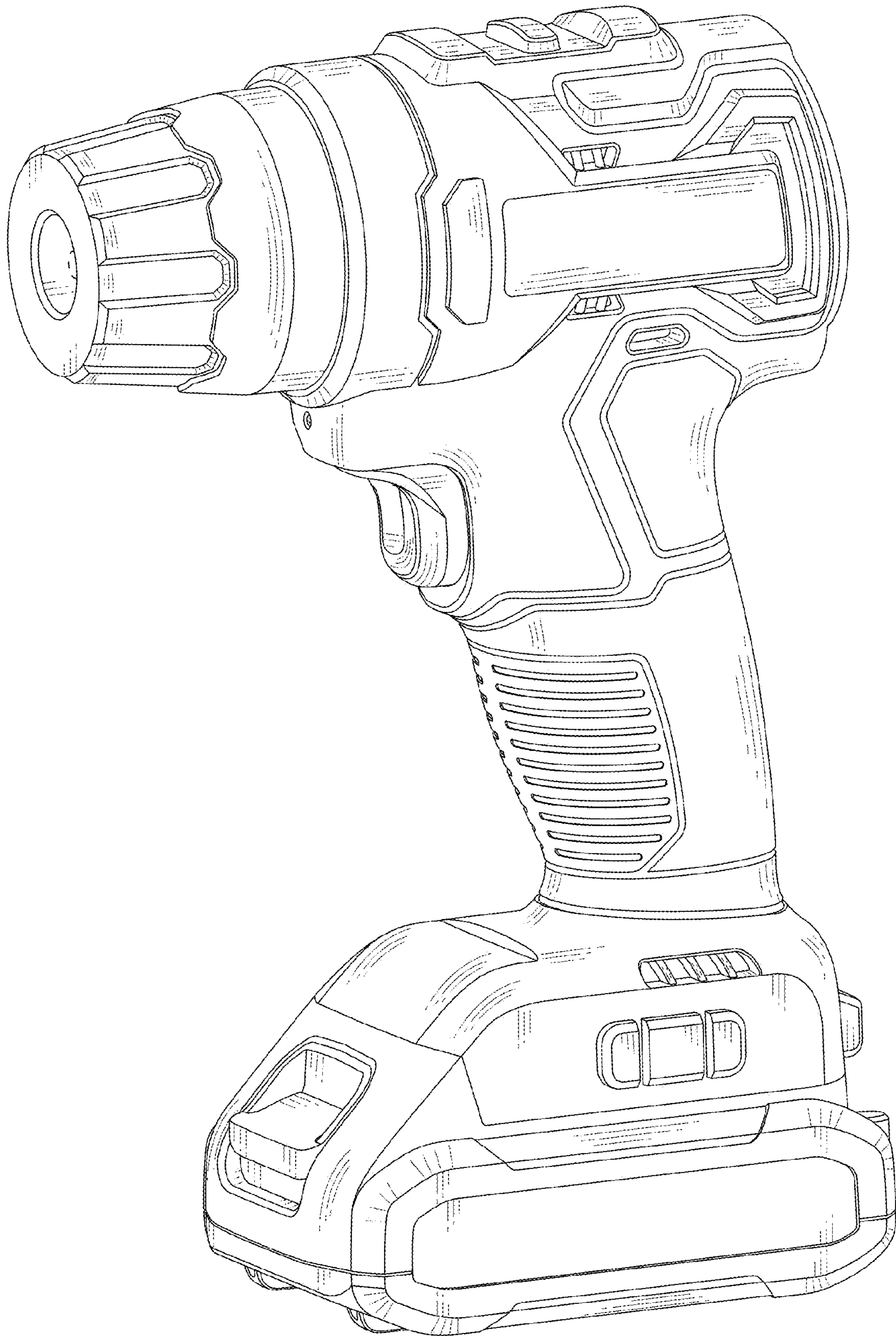


FIG.1

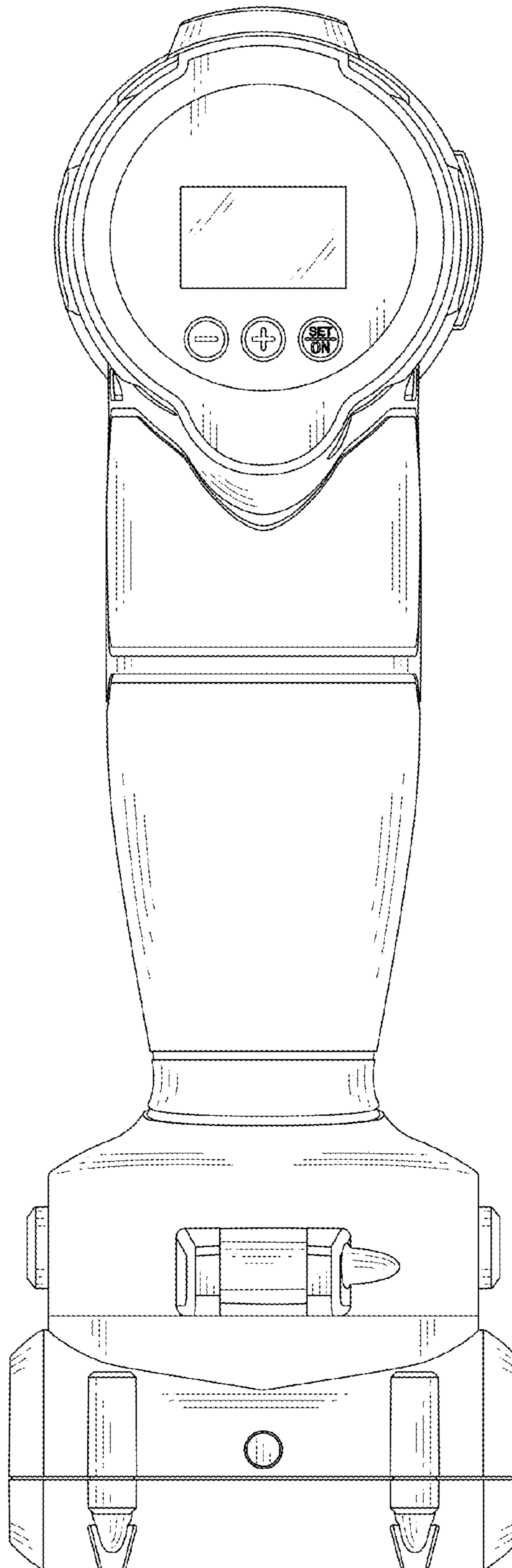


FIG.2

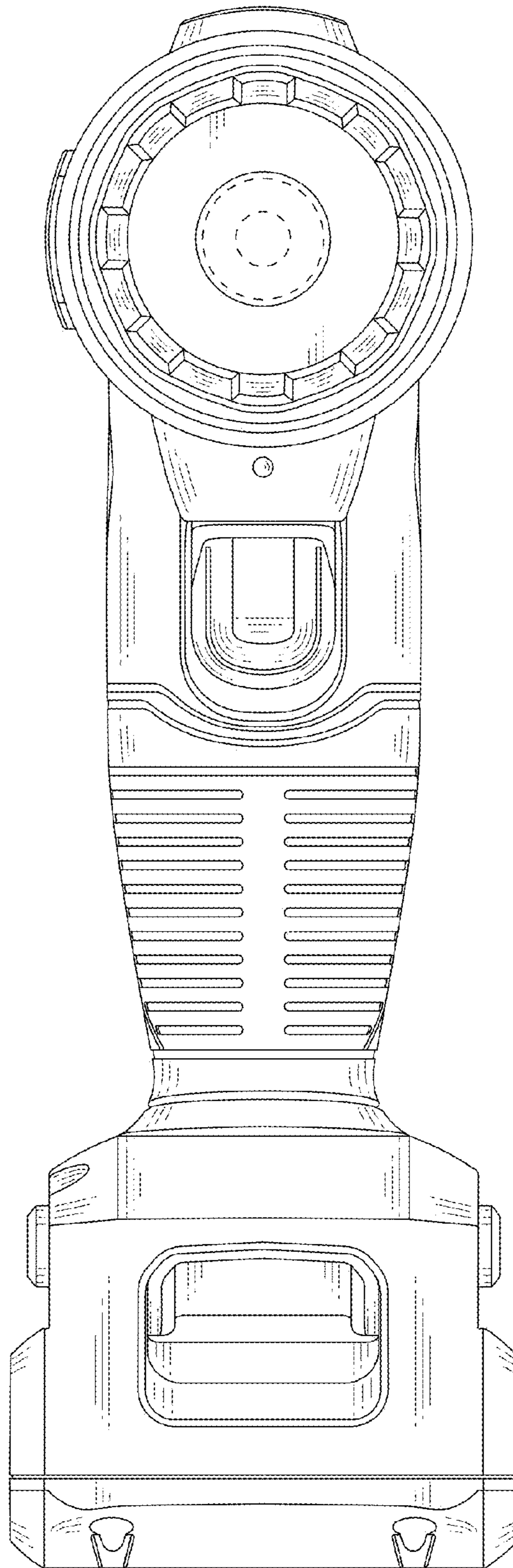


FIG.3

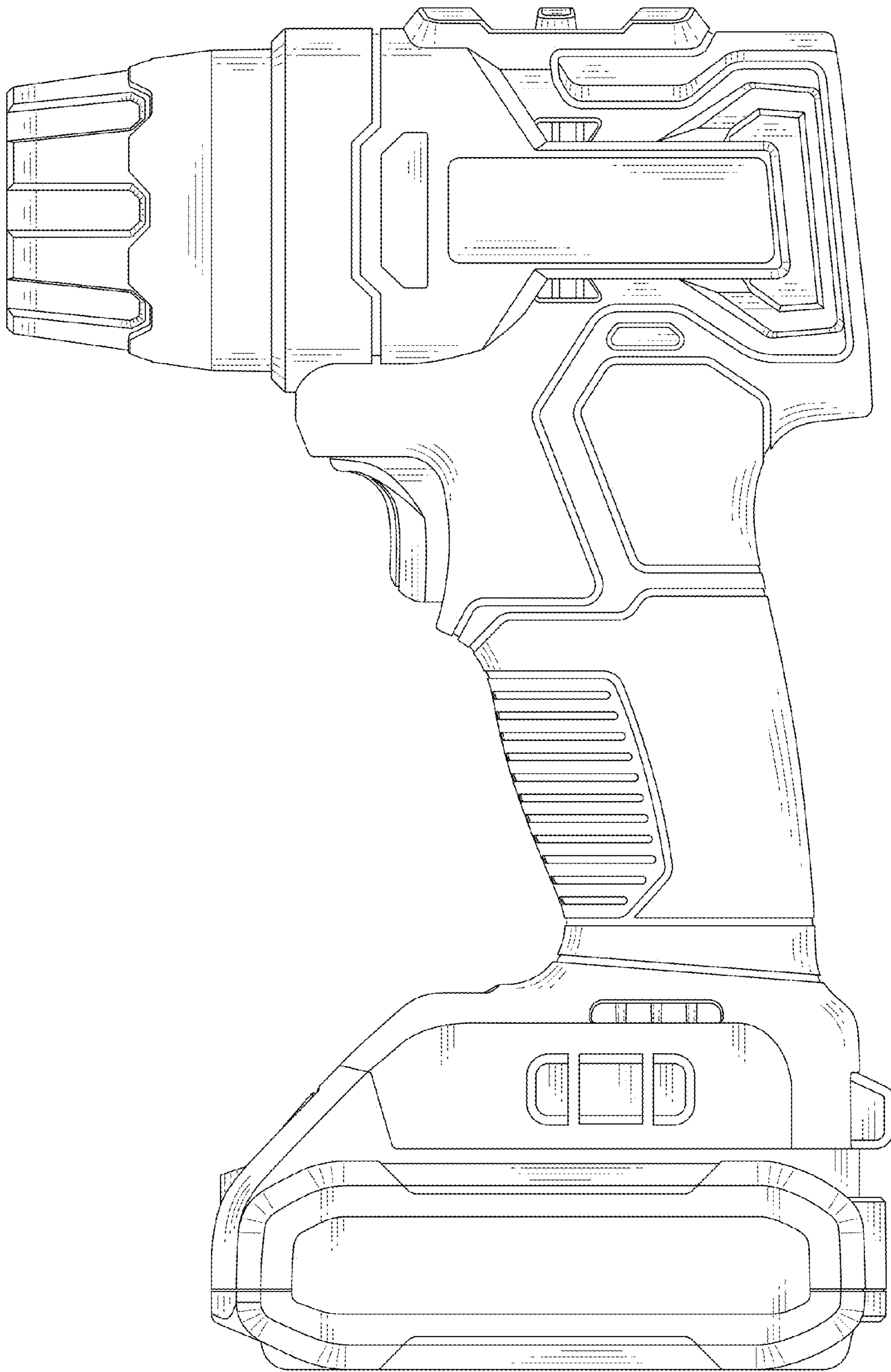


FIG.4

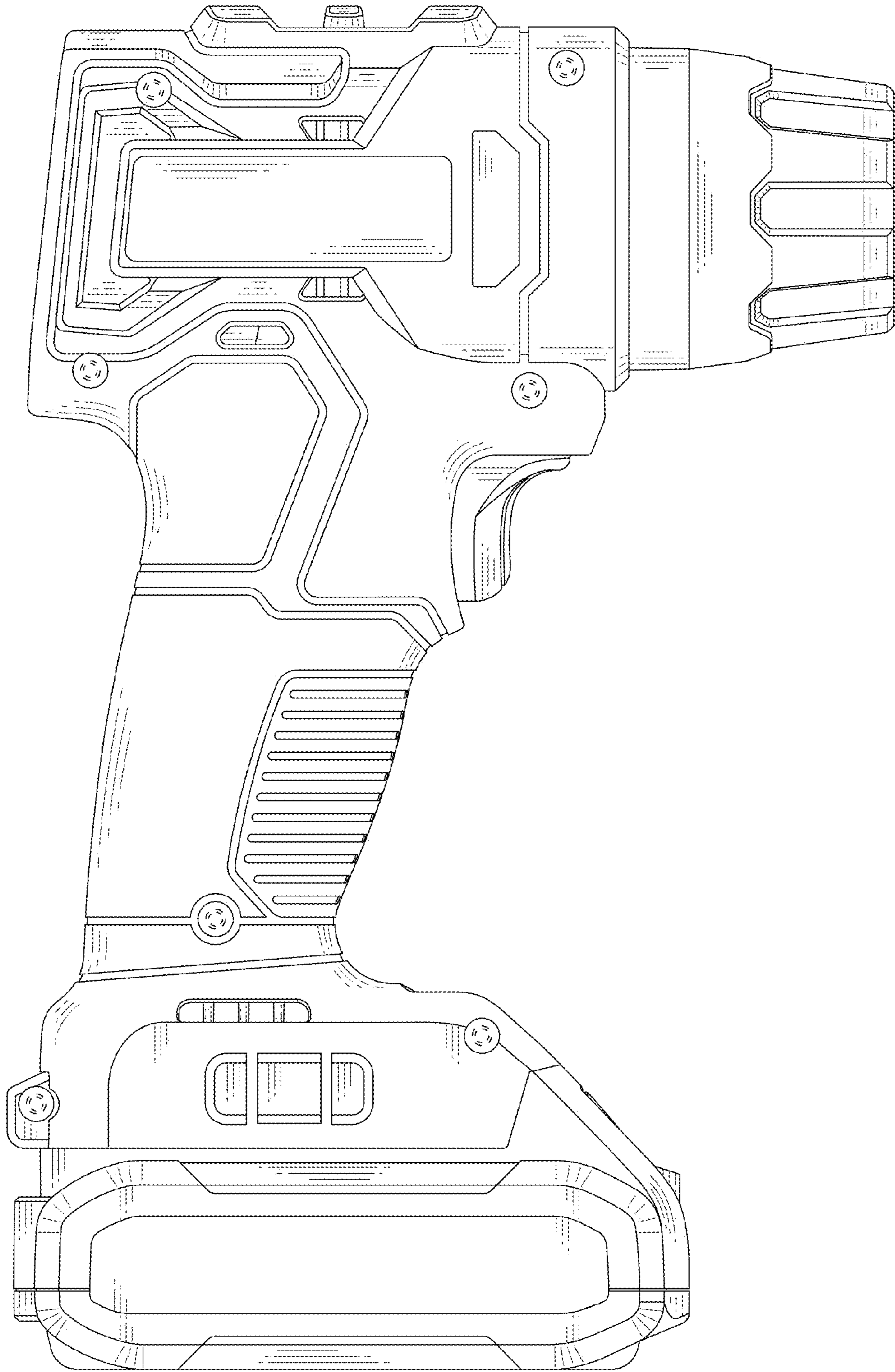


FIG. 5

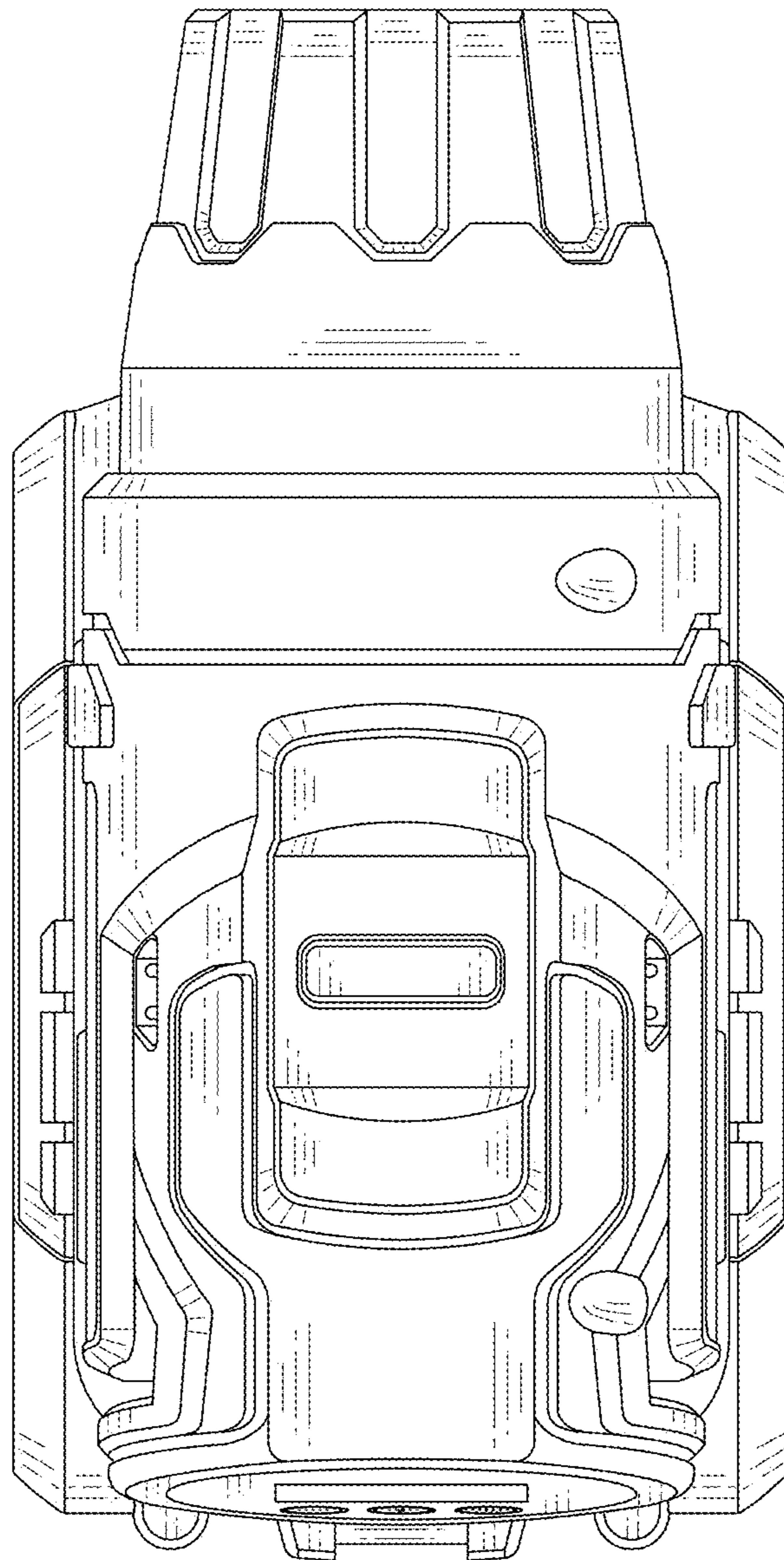


FIG.6

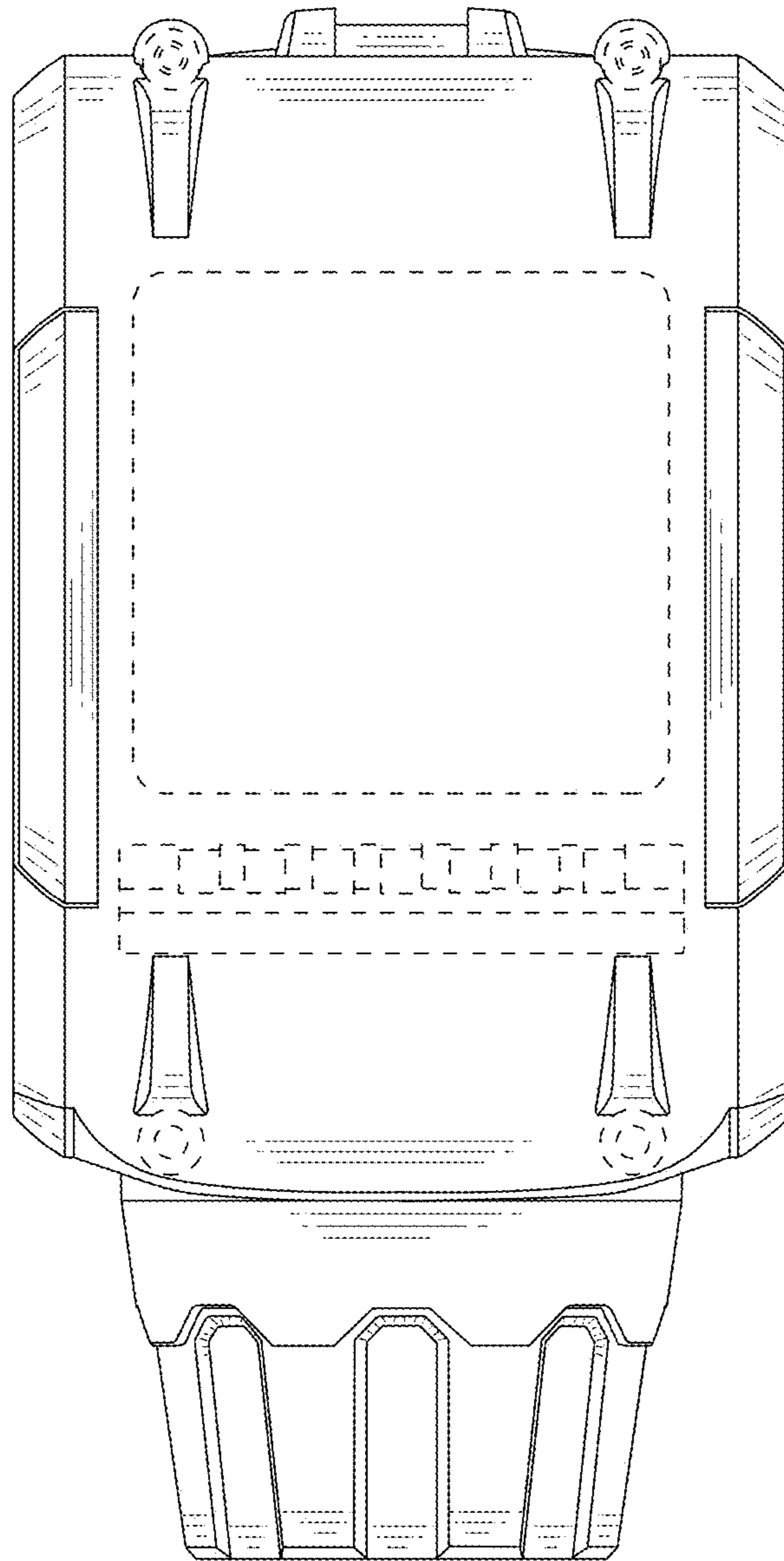


FIG.7