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(12) **United States Design Patent** (10) **Patent No.:** **US D928,288 S**  
**Svendsen et al.** (45) **Date of Patent:** **\*\* Aug. 17, 2021**

(54) **NOZZLE**  
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D325,620 S \* 4/1992 Heren ..... D23/223  
D338,706 S \* 8/1993 Wang ..... D23/223  
D340,762 S \* 10/1993 Wang ..... D23/226  
D355,953 S \* 2/1995 Wang ..... D23/223  
D359,101 S \* 6/1995 Kuo ..... D23/223

(Continued)

**FOREIGN PATENT DOCUMENTS**

CN 102553757 \* 7/2012

**OTHER PUBLICATIONS**

Karcher Premium Multi-Functional Spray Gun posted to amazon.com. Available date: Apr. 20, 2016 [site visited May 17, 2021] Available: <<https://www.amazon.com/KAER5-2-645-271-0-Premium-Multifunctional-20-5x7-0x17-6/dp/B01AUUWYV2>> (Year: 2016).\*

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(\*\*) Term: **15 Years**  
(21) Appl. No.: **29/718,894**  
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**Related U.S. Application Data**

(62) Division of application No. 29/670,349, filed on Nov. 15, 2018, now Pat. No. Des. 875,212, which is a division of application No. 29/598,136, filed on Mar. 23, 2017, now Pat. No. Des. 838,809.

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(51) **LOC (13) Cl.** ..... **23-01**  
(52) **U.S. Cl.**  
USPC ..... **D23/223**  
(58) **Field of Classification Search**  
USPC ..... D23/226, 213, 223, 224  
CPC ..... B05B 1/12  
See application file for complete search history.

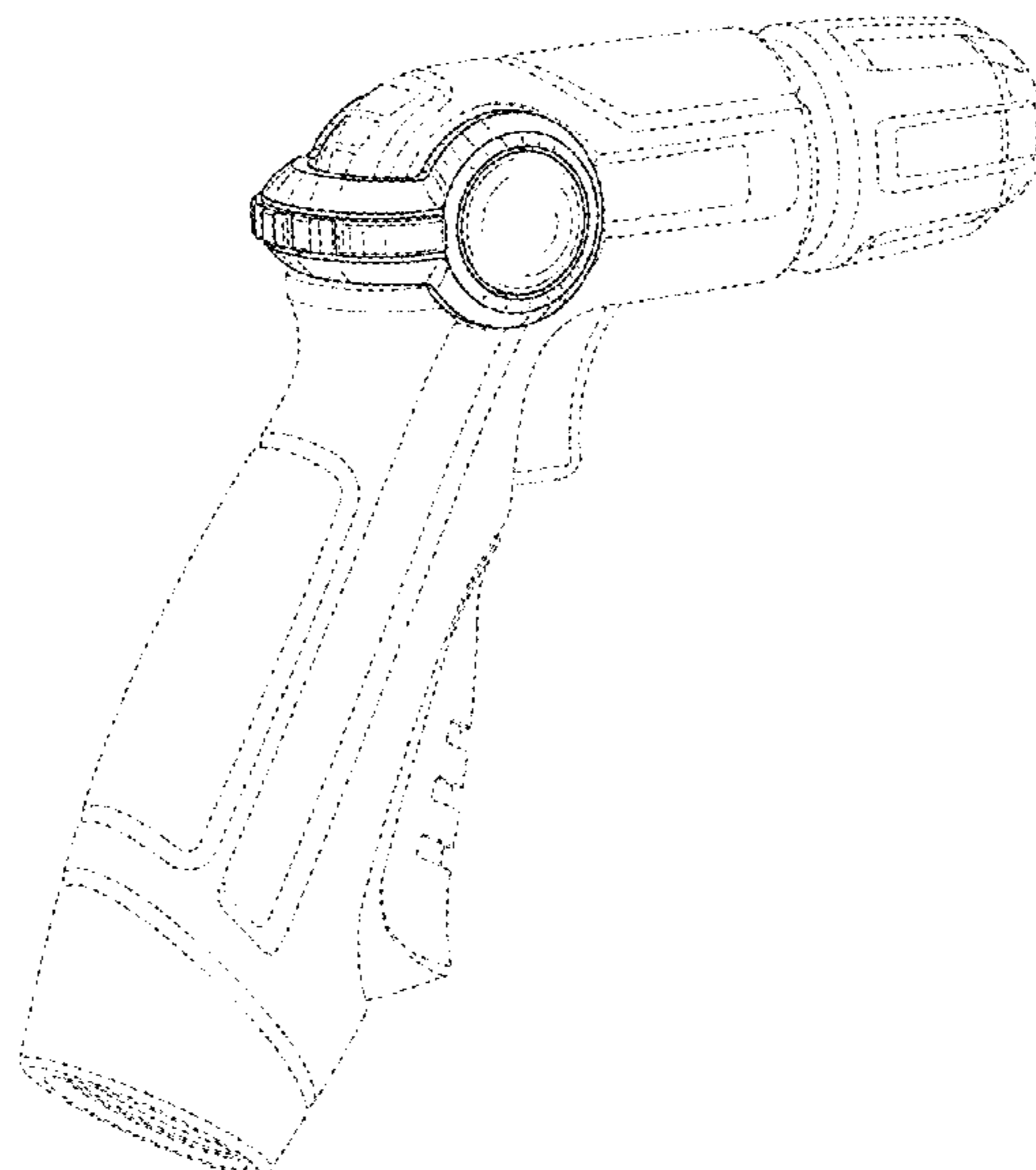
(57) **CLAIM**  
The ornamental design for a nozzle, as shown and described.

**DESCRIPTION**

FIG. 1 is a rear perspective view of a nozzle, showing our new design;  
FIG. 2 is a front elevational view thereof;  
FIG. 3 is a rear elevational view thereof;  
FIG. 4 is a right side elevational view thereof;  
FIG. 5 is a left side elevational view thereof;  
FIG. 6 is a top plan view thereof;  
FIG. 7 is a bottom plan view thereof; and,  
FIG. 8 is a front perspective view thereof.  
The broken line showing of portions of the nozzle is for the purpose of illustrating environmental structure and forms no part of the claimed design.

(56) **References Cited**  
**U.S. PATENT DOCUMENTS**  
2,376,881 A \* 5/1945 Nielsen ..... A62C 31/02  
239/441  
3,150,829 A \* 9/1964 Specht ..... B05B 1/12  
239/107  
3,820,716 A \* 6/1974 Bauer ..... B05B 7/0425  
239/589.1  
4,903,897 A \* 2/1990 Hayes ..... B05B 1/1654  
239/394  
D314,609 S \* 2/1991 Liaw ..... D23/226

**1 Claim, 6 Drawing Sheets**



(56)

References Cited

U.S. PATENT DOCUMENTS

D369,853 S \* 5/1996 Wang ..... D23/223  
 D370,713 S \* 6/1996 Guo .....  
 D372,297 S \* 7/1996 Wang ..... D23/223  
 D373,813 S \* 9/1996 Guo .....  
 D373,814 S \* 9/1996 Wang ..... D23/223  
 D387,128 S \* 12/1997 Wang ..... D23/223  
 5,806,770 A \* 9/1998 Wang ..... B05B 1/1681  
 239/391  
 D408,496 S \* 4/1999 Wang ..... D23/226  
 D408,497 S \* 4/1999 Wang ..... D23/226  
 D408,890 S \* 4/1999 Wang ..... D23/226  
 D409,720 S \* 5/1999 Guo ..... D23/226  
 D415,557 S \* 10/1999 Kuo ..... D23/226  
 D417,256 S \* 11/1999 Kuo ..... D23/226  
 D431,069 S \* 9/2000 Heren ..... D23/226  
 D431,280 S \* 9/2000 Kuo ..... D23/226  
 D446,282 S \* 8/2001 Wang ..... D23/226  
 D446,283 S \* 8/2001 Wang ..... D23/226  
 D447,217 S \* 8/2001 Jacobs ..... D23/226  
 D447,539 S \* 9/2001 Tse ..... D23/226  
 D447,790 S \* 9/2001 Heren ..... D23/226  
 D451,981 S \* 12/2001 Ericksen .....  
 D451,982 S \* 12/2001 Chao ..... D23/226  
 D454,619 S \* 3/2002 Wang ..... D23/226  
 D461,227 S \* 8/2002 Guo ..... D23/226  
 D467,993 S \* 12/2002 Chen ..... D23/226  
 D468,396 S \* 1/2003 Chen ..... D23/226  
 D475,122 S \* 5/2003 Kuo ..... D23/226  
 D475,435 S \* 6/2003 Chen ..... D23/223  
 D475,762 S \* 6/2003 Kuo ..... D23/226  
 D475,763 S \* 6/2003 Kuo ..... D23/226  
 6,644,625 B1 \* 11/2003 Jacobs ..... B05B 12/0024  
 251/209  
 D502,533 S \* 3/2005 Chen ..... D23/223  
 D517,645 S \* 3/2006 Chang ..... D23/226  
 D522,088 S \* 5/2006 Roman ..... D23/223  
 7,124,965 B1 \* 10/2006 Chen ..... A62C 31/02  
 239/525  
 D534,241 S \* 12/2006 Wang .....  
 D548,392 S \* 8/2007 Lo et al. ....  
 7,258,285 B1 \* 8/2007 Combs ..... A62C 31/03  
 239/546  
 D553,713 S \* 10/2007 Chih ..... D23/226  
 D554,231 S \* 10/2007 Chih ..... D23/213  
 D554,233 S \* 10/2007 Chih ..... D23/226  
 D557,767 S \* 12/2007 Chih .....  
 D557,769 S \* 12/2007 Chih ..... D23/226  
 D558,302 S \* 12/2007 Chih ..... D23/226  
 D558,858 S \* 1/2008 Chih .....  
 D559,353 S \* 1/2008 Chih .....  
 D559,354 S \* 1/2008 Chih .....  
 D564,065 S \* 3/2008 Yu ..... D23/223  
 D569,478 S \* 5/2008 Cichy ..... D23/223  
 D576,252 S \* 9/2008 Lo ..... D23/223  
 D584,380 S \* 1/2009 Cheng .....  
 D584,381 S \* 1/2009 Hung ..... D23/223  
 D585,109 S \* 1/2009 Cheng .....  
 D599,433 S \* 9/2009 Zore ..... D23/223  
 D599,884 S \* 9/2009 Zore ..... D23/226  
 D604,389 S \* 11/2009 Cheng ..... D23/223  
 D604,390 S \* 11/2009 Cheng ..... D23/223  
 D604,395 S \* 11/2009 Zore ..... D23/226  
 D605,251 S \* 12/2009 Zore ..... D23/226  
 D606,625 S \* 12/2009 Zore ..... D23/226  
 D606,626 S \* 12/2009 Zore ..... D23/226  
 D614,729 S \* 4/2010 Cheng .....  
 D650,044 S \* 12/2011 Nies ..... D23/223  
 D650,045 S \* 12/2011 Nies et al. ....  
 D677,362 S \* 3/2013 Christopher ..... D23/223  
 D678,980 S \* 3/2013 Nies ..... D23/223  
 D681,777 S \* 5/2013 Nies et al. ....  
 8,496,190 B2 \* 7/2013 Chen ..... B05B 1/3026  
 239/394  
 D694,360 S \* 11/2013 Gaetano ..... D23/223

D702,319 S \* 4/2014 Mammen ..... D23/223  
 D704,801 S \* 5/2014 Chen .....  
 D705,898 S \* 5/2014 Chen ..... D23/223  
 D714,423 S \* 9/2014 Mammen ..... D23/226  
 D714,908 S \* 10/2014 Mammen ..... D23/226  
 D726,872 S \* 4/2015 Thurgood ..... D23/223  
 9,073,075 B2 \* 7/2015 Chen ..... B05B 1/3026  
 D736,349 S \* 8/2015 Wojan ..... D23/223  
 D736,350 S \* 8/2015 Cheng .....  
 D746,945 S \* 1/2016 Naslund .....  
 D746,946 S \* 1/2016 Naslund .....  
 D746,947 S \* 1/2016 Naslund .....  
 D748,758 S \* 2/2016 Duong et al. ....  
 D749,696 S \* 2/2016 Thurgood ..... D23/223  
 D760,349 S \* 6/2016 Chen ..... D23/223  
 9,427,760 B2 \* 8/2016 Chiu ..... B05B 15/652  
 D766,400 S \* 9/2016 Chen ..... D23/226  
 D767,091 S \* 9/2016 Chen .....  
 D767,094 S \* 9/2016 Chen .....  
 D767,096 S \* 9/2016 Chen ..... D23/226  
 D768,817 S \* 10/2016 Chen .....  
 D769,415 S \* 10/2016 Chen ..... D23/226  
 D770,017 S \* 10/2016 Chen ..... D23/226  
 D771,773 S \* 11/2016 Chen .....  
 D771,774 S \* 11/2016 Chen ..... D23/223  
 D771,775 S \* 11/2016 Chen .....  
 D774,164 S \* 12/2016 Chen ..... D23/226  
 D779,035 S \* 2/2017 Chen .....  
 D779,036 S \* 2/2017 Chen .....  
 D779,040 S \* 2/2017 Chen ..... D23/226  
 D779,041 S \* 2/2017 Chen ..... D23/226  
 D779,634 S \* 2/2017 Chen ..... D23/226  
 D780,293 S \* 2/2017 Chen ..... D23/226  
 D780,294 S \* 2/2017 Chen ..... D23/226  
 D782,005 S \* 3/2017 Naslund et al. ....  
 D782,007 S \* 3/2017 Naslund ..... D23/226  
 D782,008 S \* 3/2017 Naslund ..... D23/226  
 D783,123 S \* 4/2017 Chen ..... D23/226  
 D783,125 S \* 4/2017 Chen ..... D23/226  
 D792,555 S \* 7/2017 Hung ..... D23/223  
 D792,944 S \* 7/2017 Cheng ..... D23/224  
 D792,945 S \* 7/2017 Cheng ..... D23/224  
 D792,947 S \* 7/2017 Hung .....  
 9,707,573 B1 \* 7/2017 Huang ..... B05B 12/002  
 9,770,731 B1 \* 9/2017 Chen ..... B05B 9/01  
 D799,001 S \* 10/2017 Gooden ..... D23/213  
 D799,002 S \* 10/2017 Gooden ..... D23/213  
 D799,007 S \* 10/2017 Cheng ..... D23/223  
 D800,254 S \* 10/2017 Chen ..... D23/226  
 D800,255 S \* 10/2017 Chen ..... D23/226  
 D802,092 S \* 11/2017 Naslund ..... D23/223  
 D819,783 S \* 6/2018 Urry ..... D23/223  
 D820,953 S \* 6/2018 Chen ..... D23/223  
 D821,544 S \* 6/2018 Urry ..... D23/223  
 D824,486 S \* 7/2018 Urry ..... D23/223  
 D824,487 S \* 7/2018 Montoya et al. ....  
 D824,488 S \* 7/2018 Montoya ..... D23/223  
 D824,489 S \* 7/2018 Montoya ..... D23/223  
 D824,490 S \* 7/2018 Montoya ..... D23/223  
 D824,491 S \* 7/2018 Montoya ..... D23/223  
 D824,492 S \* 7/2018 Chen ..... D23/223  
 D825,716 S \* 8/2018 Helmsderfer ..... D23/223  
 D838,340 S \* 1/2019 Svendsen et al. ....  
 D838,341 S \* 1/2019 Svendsen ..... D23/226  
 D838,809 S \* 1/2019 Svendsen et al. ....  
 D839,384 S \* 1/2019 Svendsen ..... D23/213  
 D839,992 S \* 2/2019 Svendsen ..... D23/226  
 10,213,800 B2 \* 2/2019 Chen ..... B05B 1/02  
 D846,072 S \* 4/2019 Pease ..... D23/223  
 D846,074 S \* 4/2019 Pease ..... D23/226  
 D846,695 S \* 4/2019 Pease ..... D23/223  
 D849,889 S \* 5/2019 Pease ..... D23/226  
 D851,209 S \* 6/2019 Cheng .....  
 D855,758 S \* 8/2019 Chen ..... D23/223  
 10,610,879 B2 \* 4/2020 Duong ..... B05B 1/1654  
 D892,272 S \* 8/2020 Urry ..... D23/223  
 D914,137 S \* 3/2021 Chen ..... D23/226  
 D917,666 S \* 4/2021 Urry ..... D23/226

(56)

**References Cited**

U.S. PATENT DOCUMENTS

2005/0237742 A1\* 10/2005 Wang ..... B05B 15/00  
362/253  
2006/0249599 A1\* 11/2006 Guo ..... F16K 35/025  
239/530  
2011/0180636 A1\* 7/2011 Cheng ..... B05B 1/3026  
239/600  
2011/0220738 A1\* 9/2011 Cheng ..... B05B 1/3026  
239/526  
2013/0015271 A1\* 1/2013 Chen ..... B05B 1/3013  
239/526  
2014/0054399 A1\* 2/2014 Hsieh ..... B05B 1/3026  
239/526  
2015/0343467 A1\* 12/2015 Chen ..... B05B 1/1654  
239/526  
2016/0263593 A1\* 9/2016 Keim ..... B05B 1/30  
2017/0204978 A1\* 7/2017 Huang ..... F16K 5/0485  
2018/0161795 A1\* 6/2018 Su ..... B05B 1/30

OTHER PUBLICATIONS

Orbit 8-Pattern Pattern Nozzle posted to lowes.com. Available date:  
Feb. 16, 2015 [site visited May 17, 2021] Available: <[https://www.  
lowes.com/pd/Orbit-Max-8-Pattern-Nozzle/1000188693](https://www.lowes.com/pd/Orbit-Max-8-Pattern-Nozzle/1000188693)> (Year: 2015).\*

\* cited by examiner

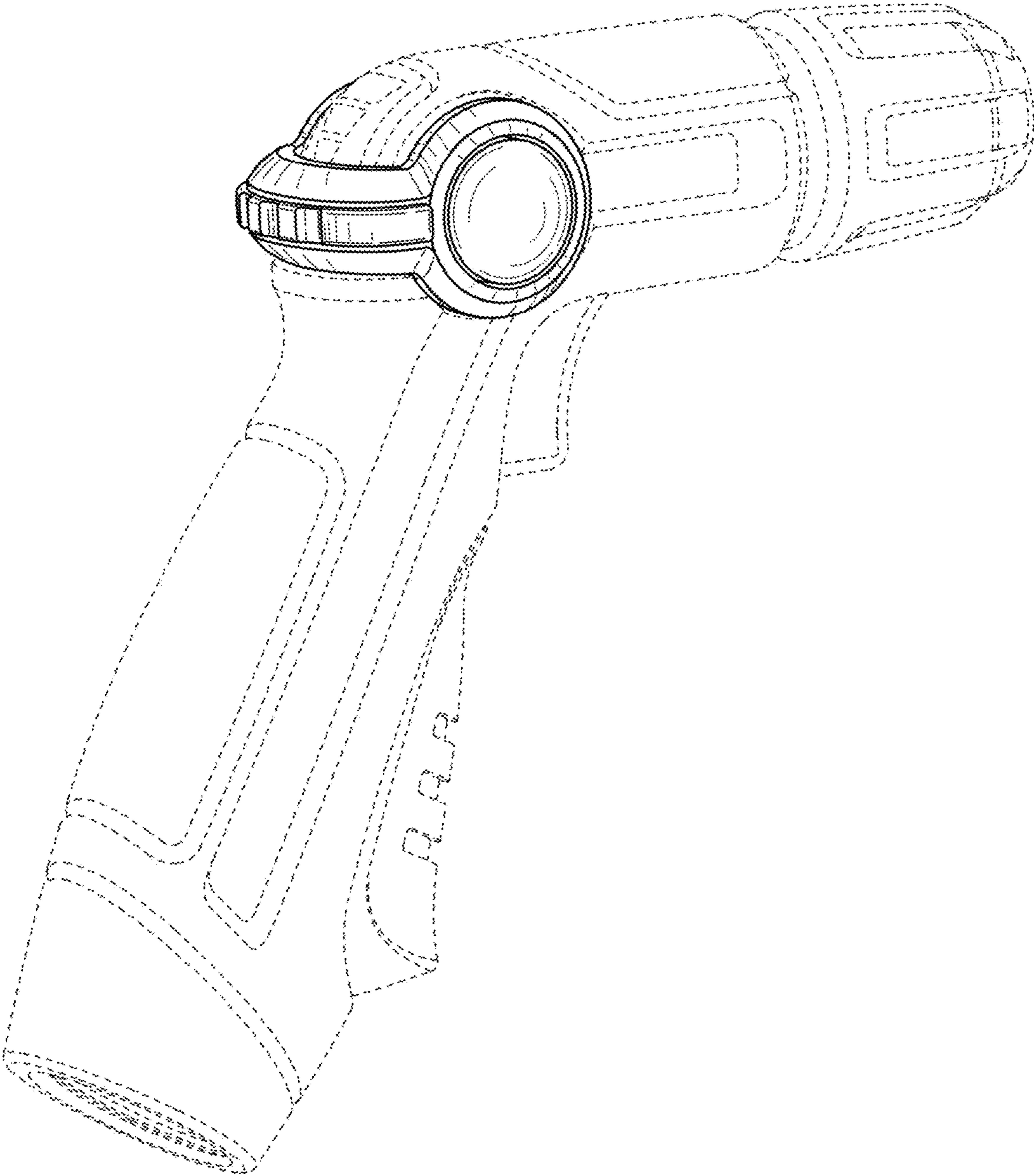


Figure 1

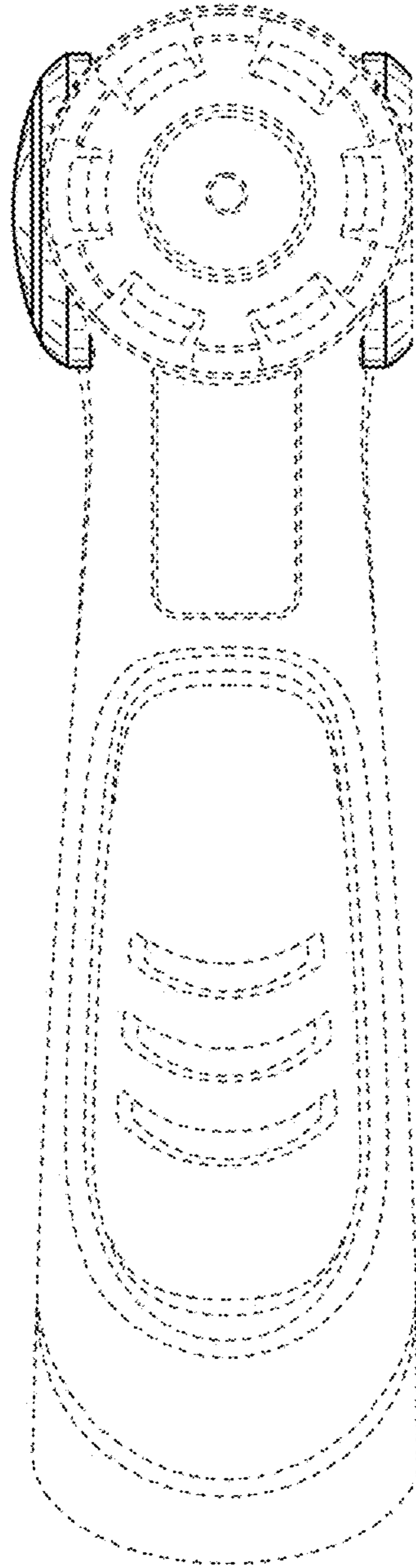


Figure 2

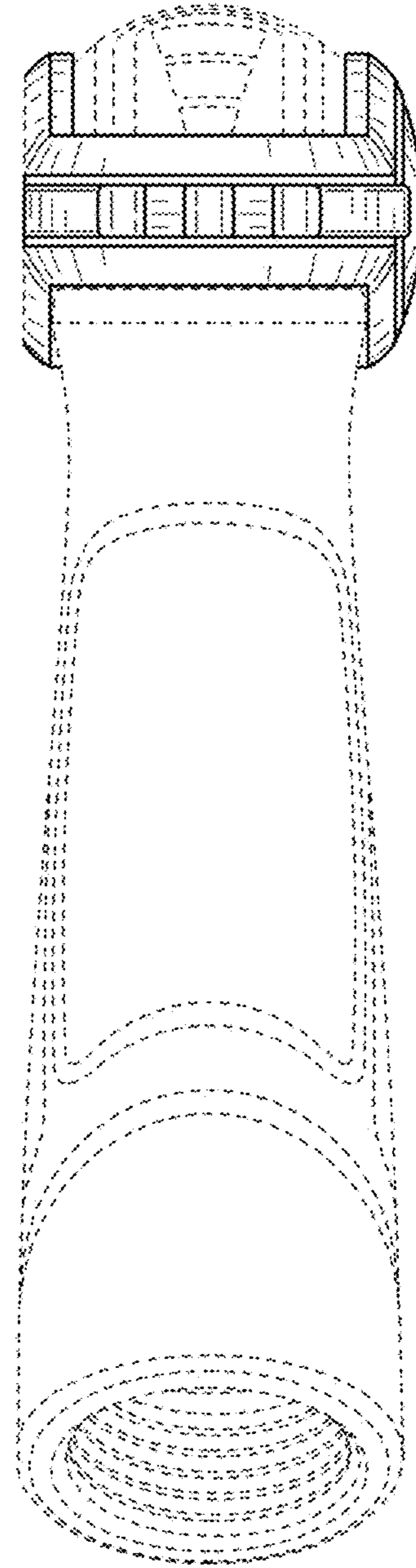


Figure 3

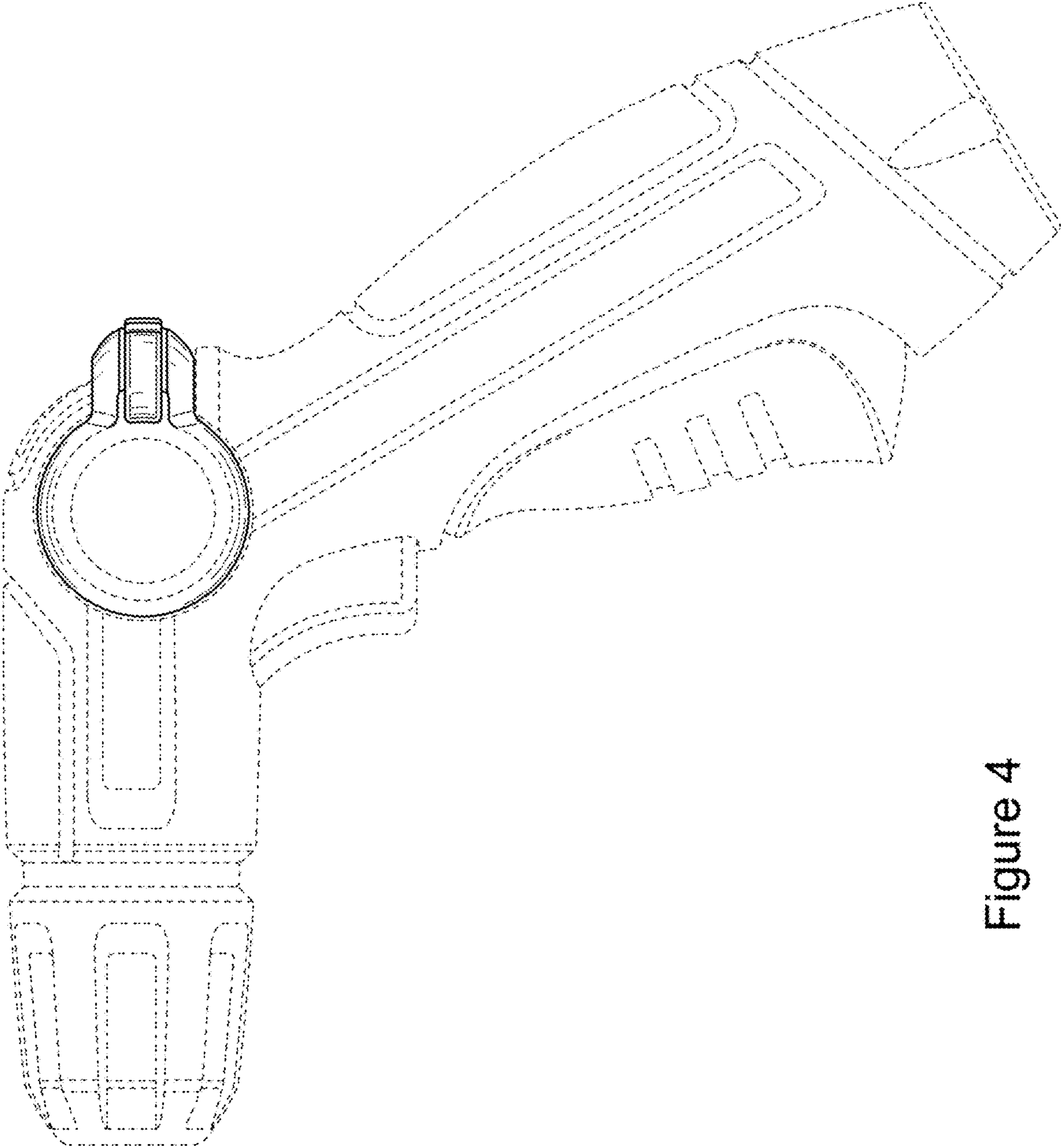


Figure 4

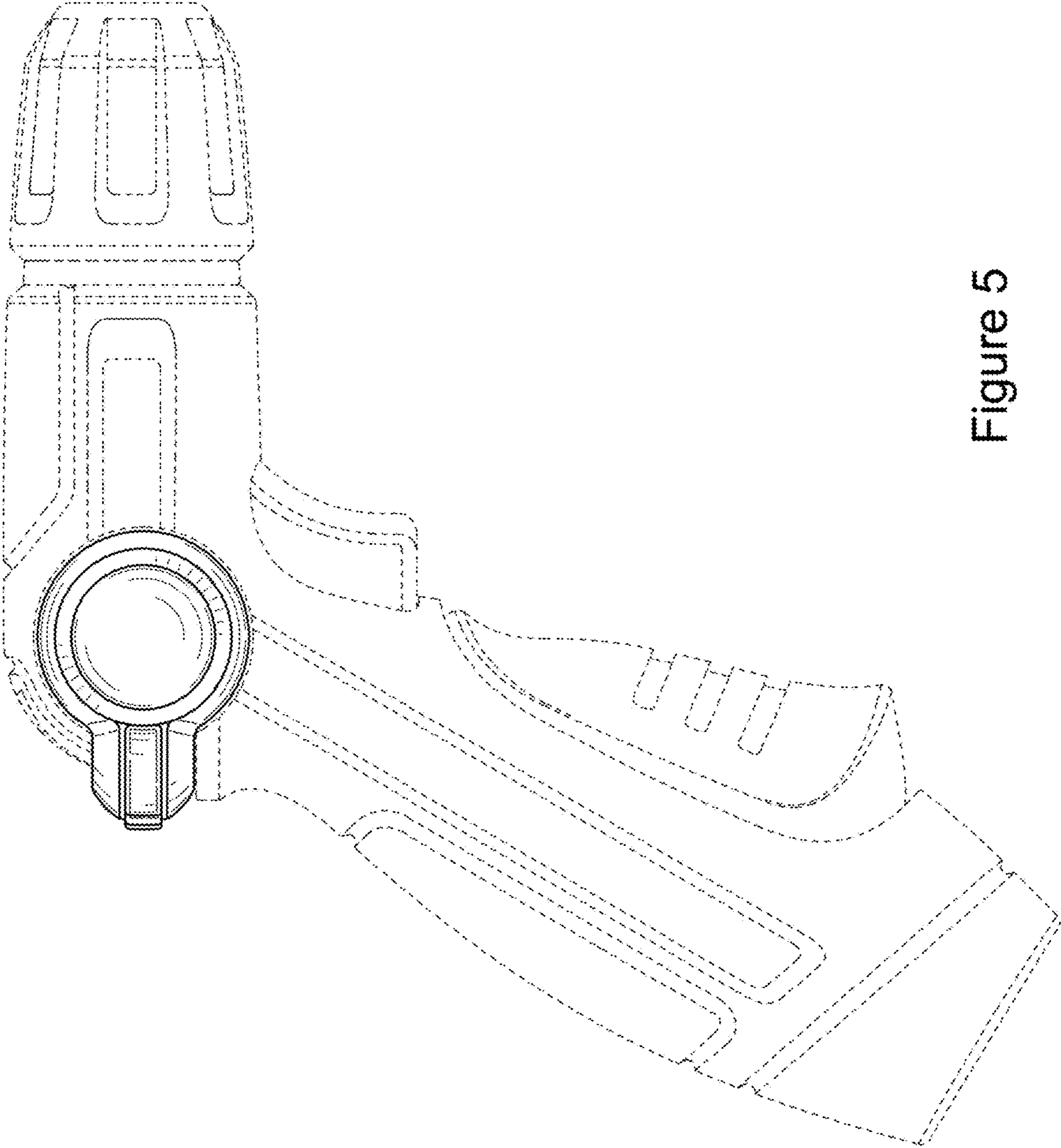


Figure 5

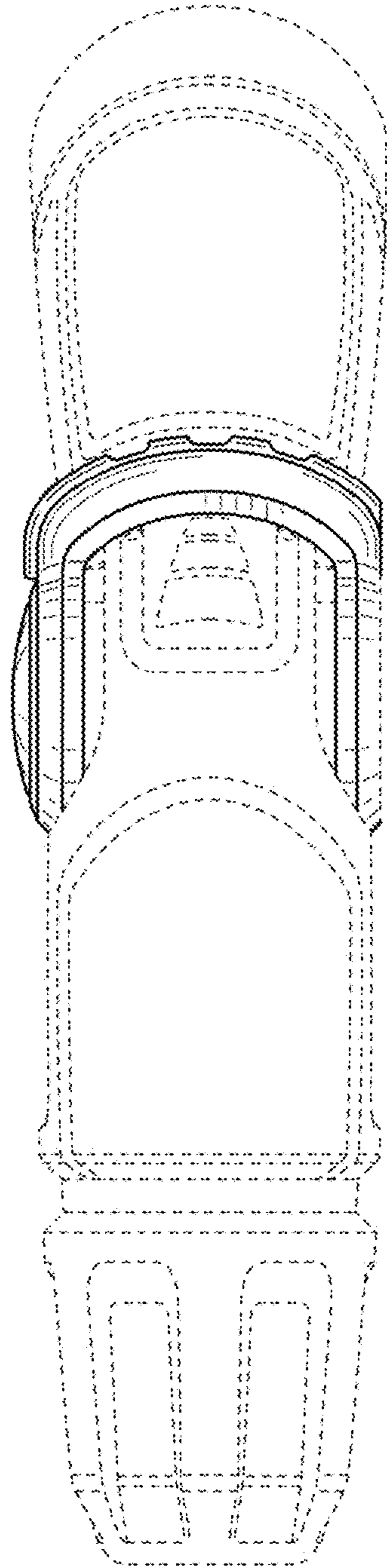


Figure 6

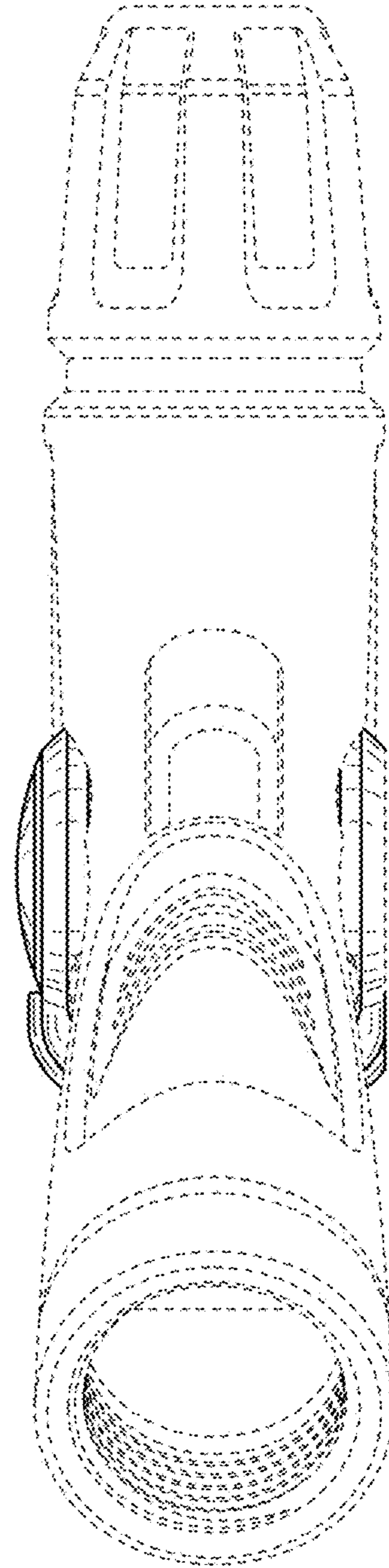


Figure 7



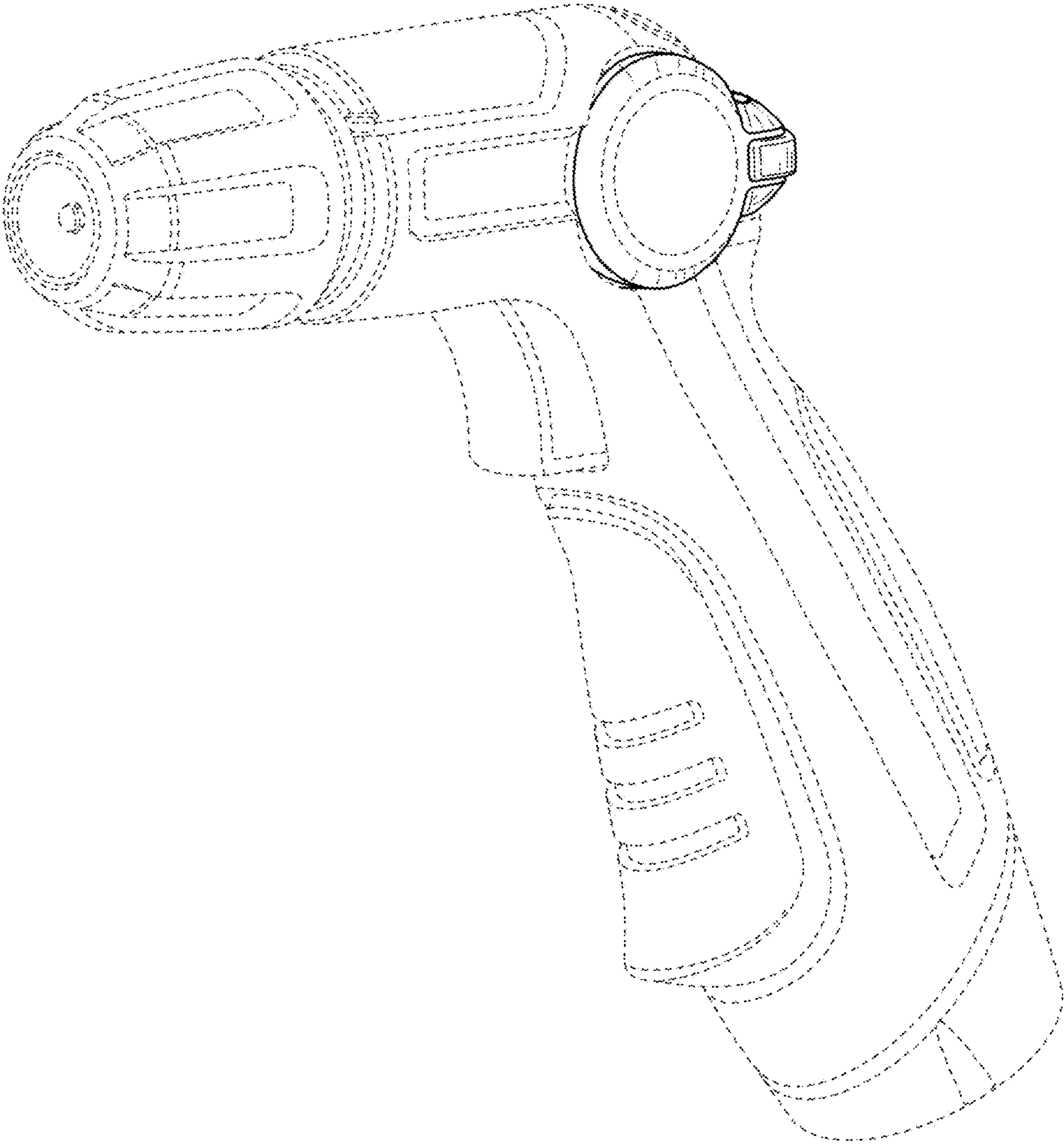


Figure 8