



US00D924850S

(12) **United States Design Patent**  
**Takubo et al.**

(10) **Patent No.:** **US D924,850 S**  
(45) **Date of Patent:** **\*\* Jul. 13, 2021**

(54) **EARPHONE**

(71) Applicant: **Audio-Technica Corporation**, Tokyo (JP)

(72) Inventors: **Yosuke Takubo**, Kanagawa (JP); **Takashi Nara**, Kanagawa (JP); **Jin Kuramoto**, Tokyo (JP)

(73) Assignee: **AUDIO-TECHNICA CORPORATION**, Tokyo (JP)

(\*\*) Term: **15 Years**

(21) Appl. No.: **29/742,054**

(22) Filed: **Oct. 24, 2019**

(30) **Foreign Application Priority Data**

Apr. 25, 2019 (JP) ..... 2019-009310

(51) **LOC (13) Cl.** ..... **14-01**

(52) **U.S. Cl.**  
USPC ..... **D14/223**

(58) **Field of Classification Search**  
USPC ..... D14/223, 205, 218; D13/108; D24/174;  
128/864, 865, 866; 455/90.3, 575.1,  
455/569.1  
CPC ..... H04R 1/10; H04R 25/00; H04R 1/1066;  
H04R 1/1016; H04R 5/033; H04R  
5/0335; H04R 1/105; H04R 1/1091  
See application file for complete search history.

(56) **References Cited**

**U.S. PATENT DOCUMENTS**

2,377,739 A \* 6/1945 Wyckoff ..... H04R 25/652  
181/132  
D184,840 S \* 4/1959 Voorlas ..... D13/167  
D300,528 S \* 4/1989 Drane ..... D13/171  
D304,944 S \* 12/1989 Behringer ..... D14/188  
D305,022 S \* 12/1989 Hallgren ..... D13/171

D321,881 S \* 11/1991 Hopewell ..... D14/192  
D374,658 S \* 10/1996 Bever ..... D13/171  
D464,630 S \* 10/2002 Woodworth ..... D13/171  
D469,411 S \* 1/2003 Decosse ..... D13/171  
D481,709 S \* 11/2003 Solderits ..... D14/223  
D529,901 S \* 10/2006 Ohta ..... D14/223  
D620,884 S \* 8/2010 Lee ..... D13/108  
D637,999 S \* 5/2011 Brunner ..... D14/205  
D642,163 S \* 7/2011 Lee ..... D14/223  
D666,580 S \* 9/2012 Lee ..... D14/223  
D694,182 S \* 11/2013 Lee ..... D13/108  
D699,215 S \* 2/2014 Koch ..... D14/205  
D705,757 S \* 5/2014 Yashiro ..... H04R 1/10  
D14/223

(Continued)

**FOREIGN PATENT DOCUMENTS**

EM 007729173-0001 \* 9/2019  
JP 1644596 \* 10/2019

*Primary Examiner* — Paula Allen Greene

(74) *Attorney, Agent, or Firm* — W&C IP

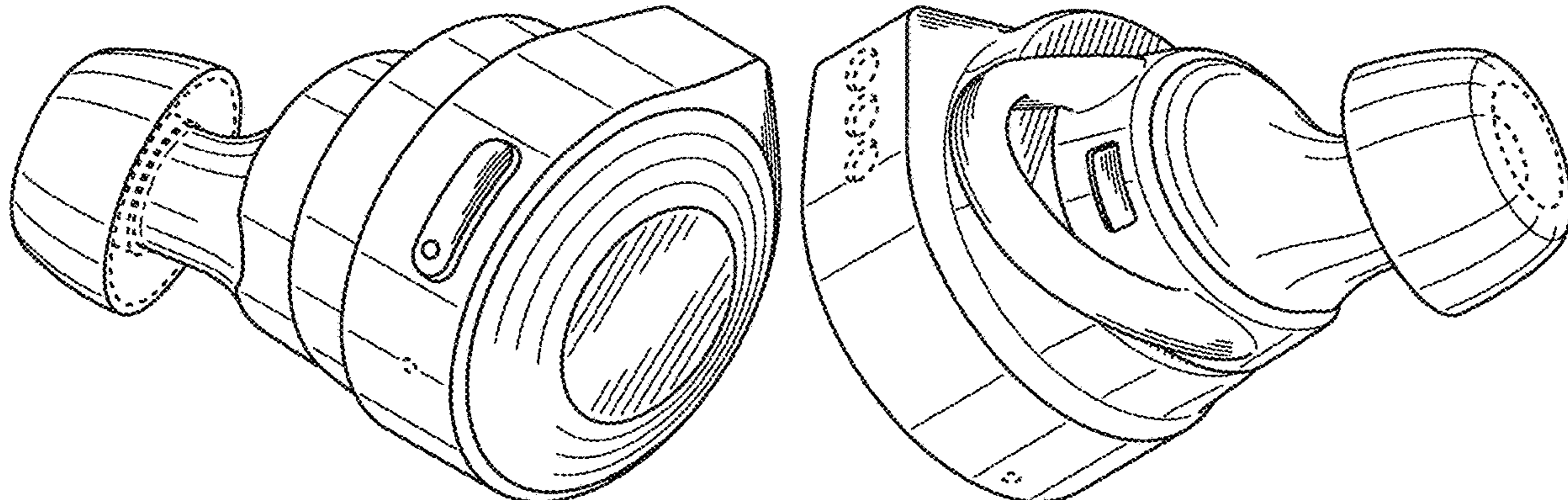
(57) **CLAIM**

The ornamental design for an earphone, as shown and described.

**DESCRIPTION**

FIG. 1 is a front elevational view of an earphone;  
FIG. 2 is a rear elevational view of the earphone;  
FIG. 3 is a top plan view of the earphone;  
FIG. 4 is a bottom plan view of the earphone;  
FIG. 5 is a right side elevational view of the earphone;  
FIG. 6 is a left side elevational view of the earphone;  
FIG. 7 is a front perspective view of the earphone; and,  
FIG. 8 is a rear perspective view of the earphone.  
Portions of the drawings shown in broken lines form no part of the claimed design.  
The dot dash line represents a boundary of the claim and forms no part thereof.

**1 Claim, 8 Drawing Sheets**



(56)

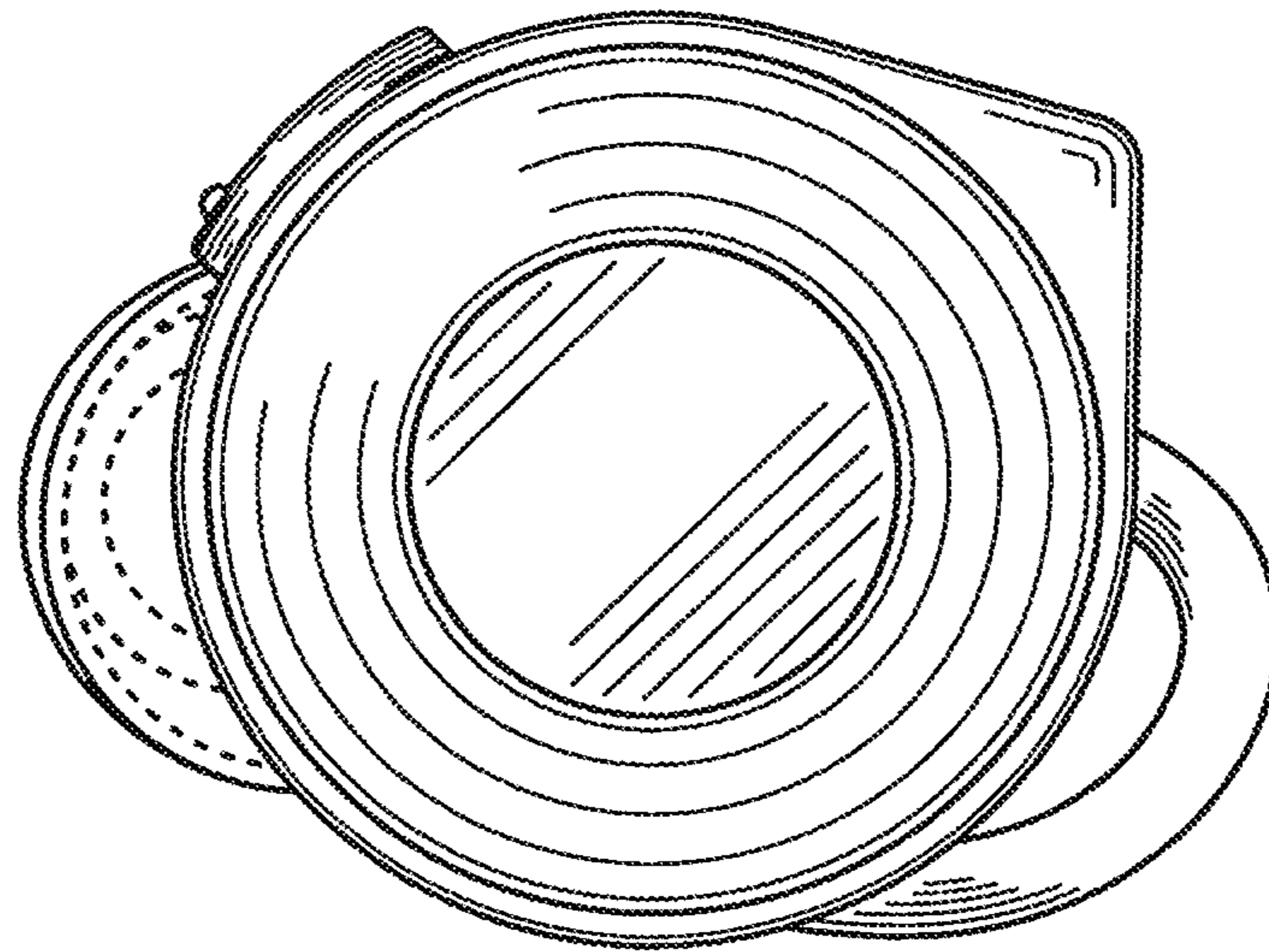
## References Cited

## U.S. PATENT DOCUMENTS

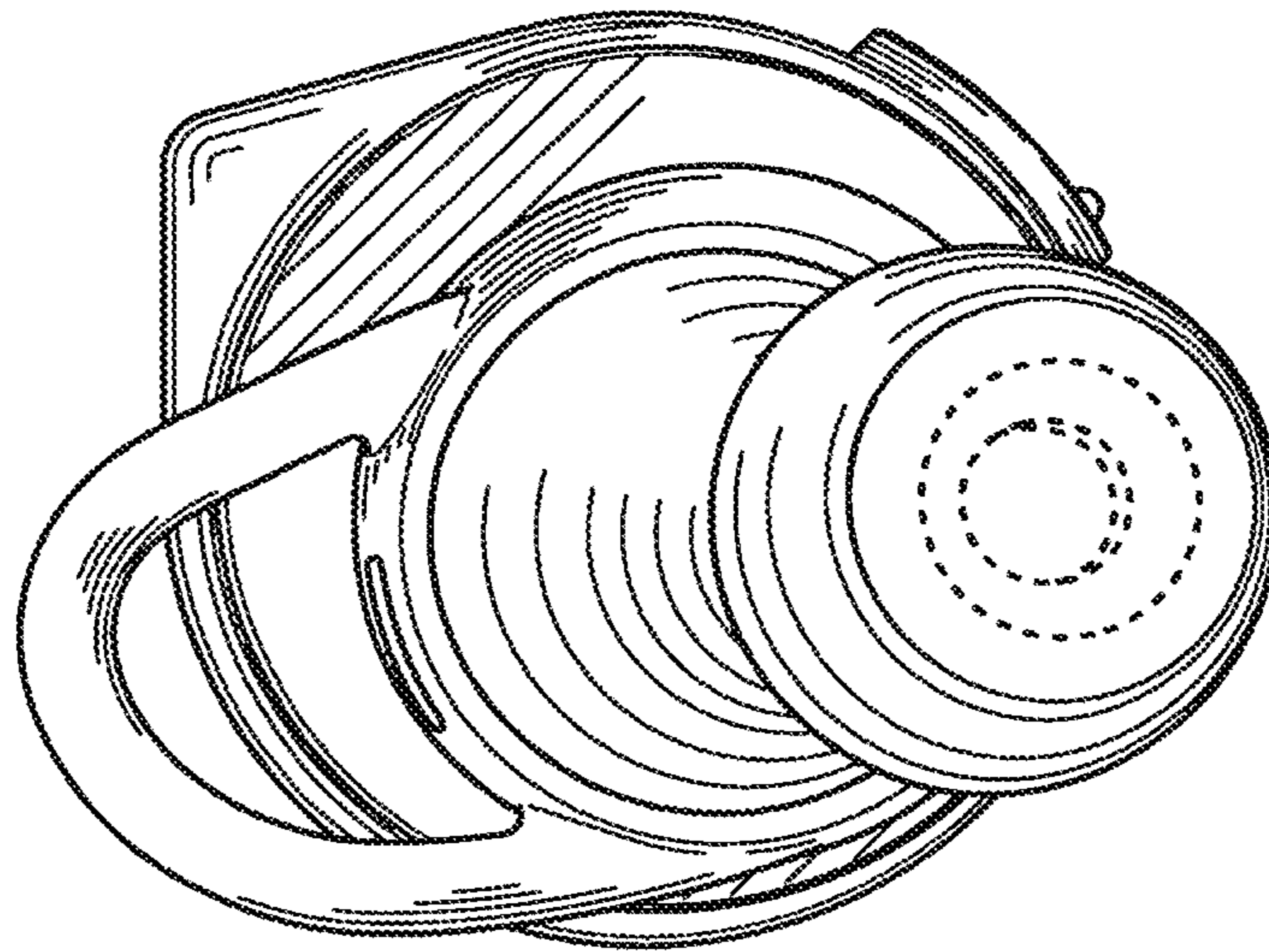
8,737,669 B2 \* 5/2014 Monahan ..... A61F 11/08  
381/380  
D711,858 S \* 8/2014 Yang ..... D14/223  
D718,236 S \* 11/2014 Murray ..... D13/108  
D735,131 S \* 7/2015 Akana ..... D13/108  
D773,437 S \* 12/2016 Lee ..... D14/223  
D777,710 S \* 1/2017 Palmborg ..... D14/223  
D781,269 S \* 3/2017 Choe ..... D14/223  
D789,909 S \* 6/2017 Hung ..... D14/223  
D795,225 S \* 8/2017 Sumii ..... D14/223  
D799,452 S \* 10/2017 Lee ..... D14/223  
D841,626 S \* 2/2019 Tang ..... D14/223  
D842,844 S \* 3/2019 Li ..... D14/223  
D863,260 S \* 10/2019 Zheng ..... D14/223  
D883,958 S \* 5/2020 Liu ..... D14/223  
D892,085 S \* 8/2020 Kim ..... D14/223  
D892,087 S \* 8/2020 Briggs ..... D14/223  
D897,318 S \* 9/2020 Blundell ..... D14/223  
D897,322 S \* 9/2020 Wei ..... D14/223  
D904,349 S \* 12/2020 Saxton ..... D14/223  
D912,016 S \* 3/2021 Ando ..... D14/223  
2013/0163804 A1 \* 6/2013 Hwang ..... H04R 1/2888  
381/380  
2014/0140565 A1 \* 5/2014 Liu ..... H04R 1/1091  
381/380  
2018/0332379 A1 \* 11/2018 McGarry ..... H04R 1/1058  
2018/0376236 A1 \* 12/2018 Prevoir ..... H04R 1/1016  
2019/0014403 A1 \* 1/2019 Lee ..... H04R 1/1016  
2020/0177981 A1 \* 6/2020 Ma ..... H04R 1/1058  
2020/0186906 A1 \* 6/2020 Birch ..... H04R 1/1016  
2020/0219525 A1 \* 7/2020 Moon ..... G10L 21/038

\* cited by examiner

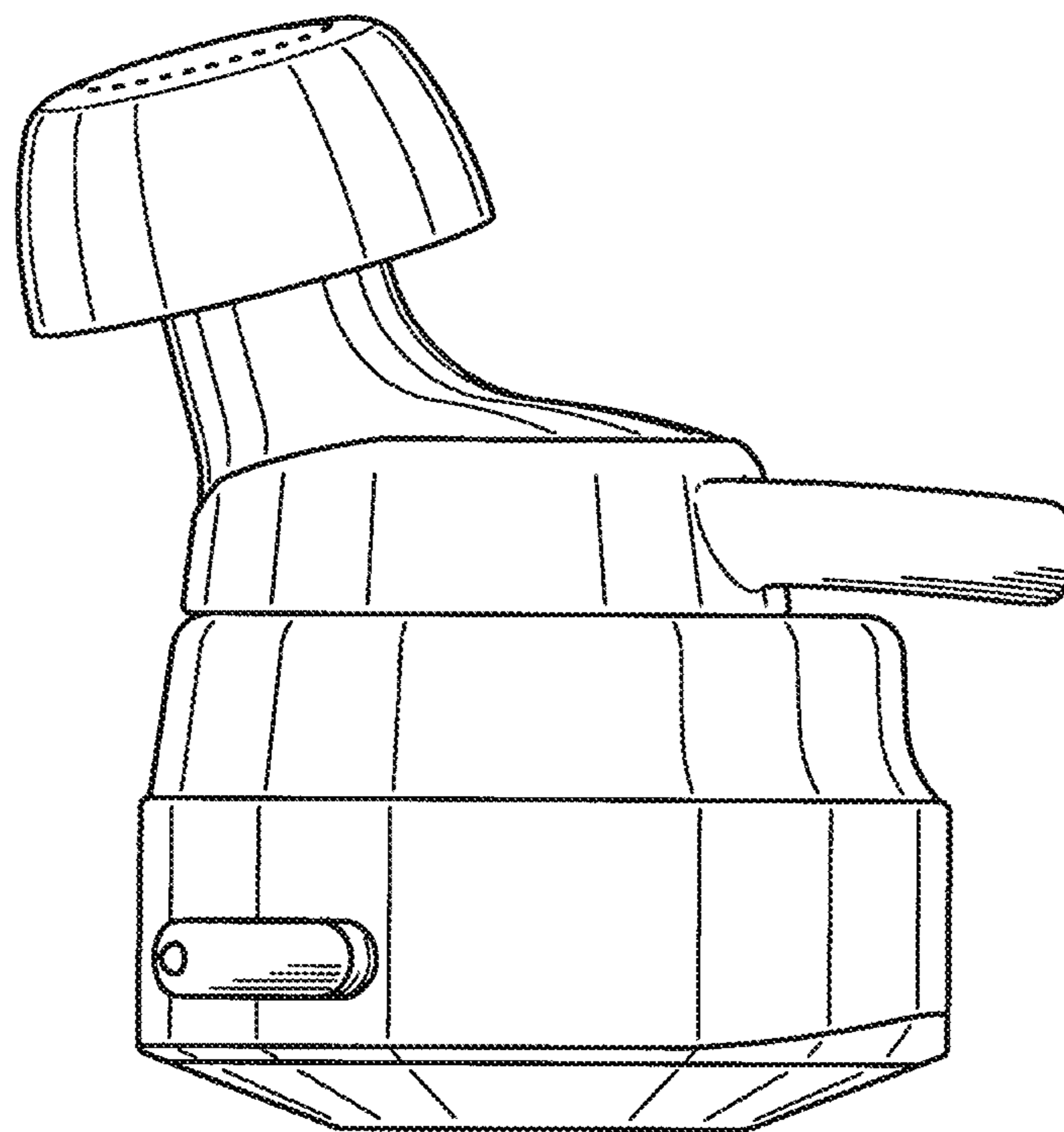
*FIG. 1*



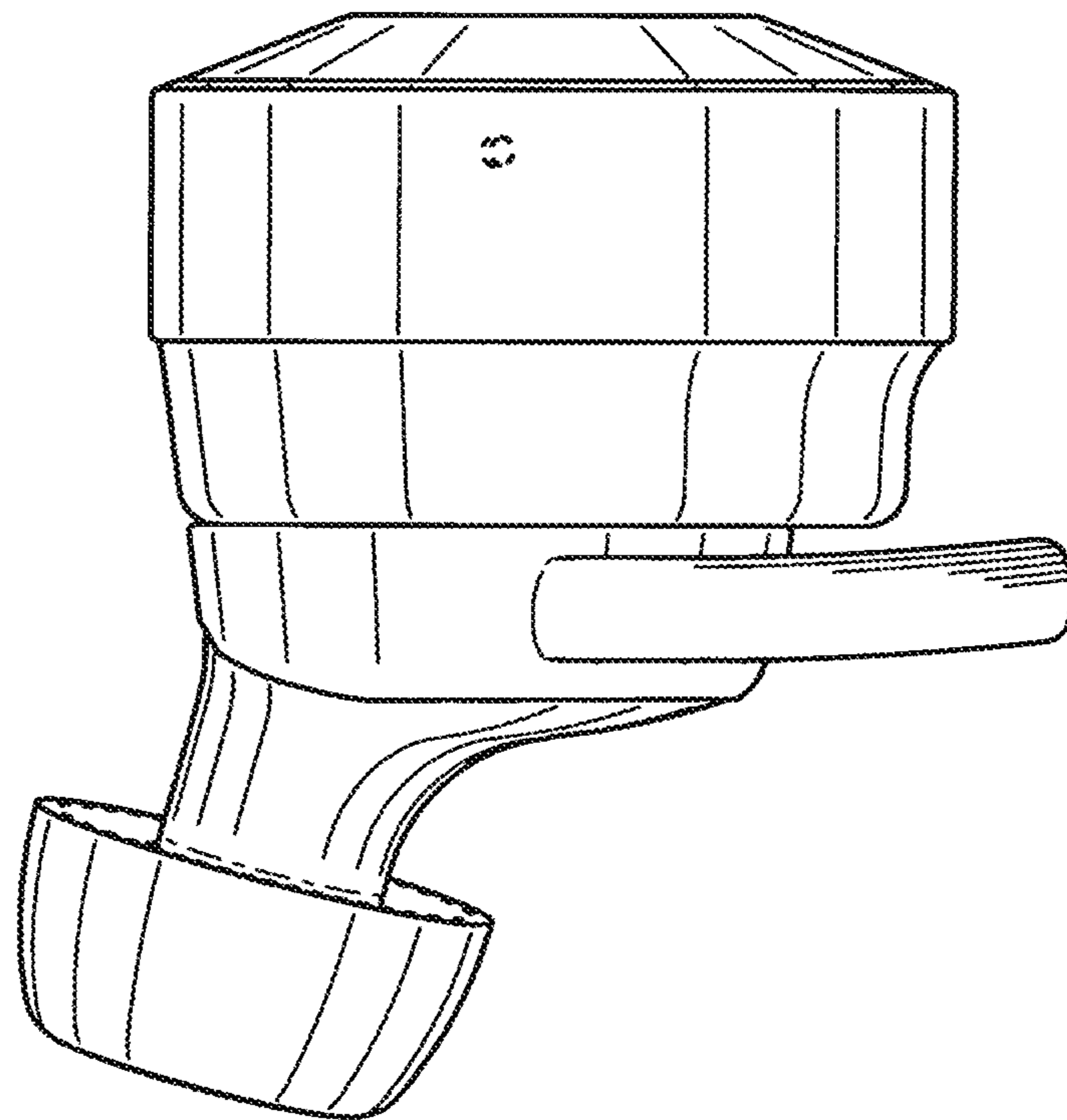
*FIG. 2*



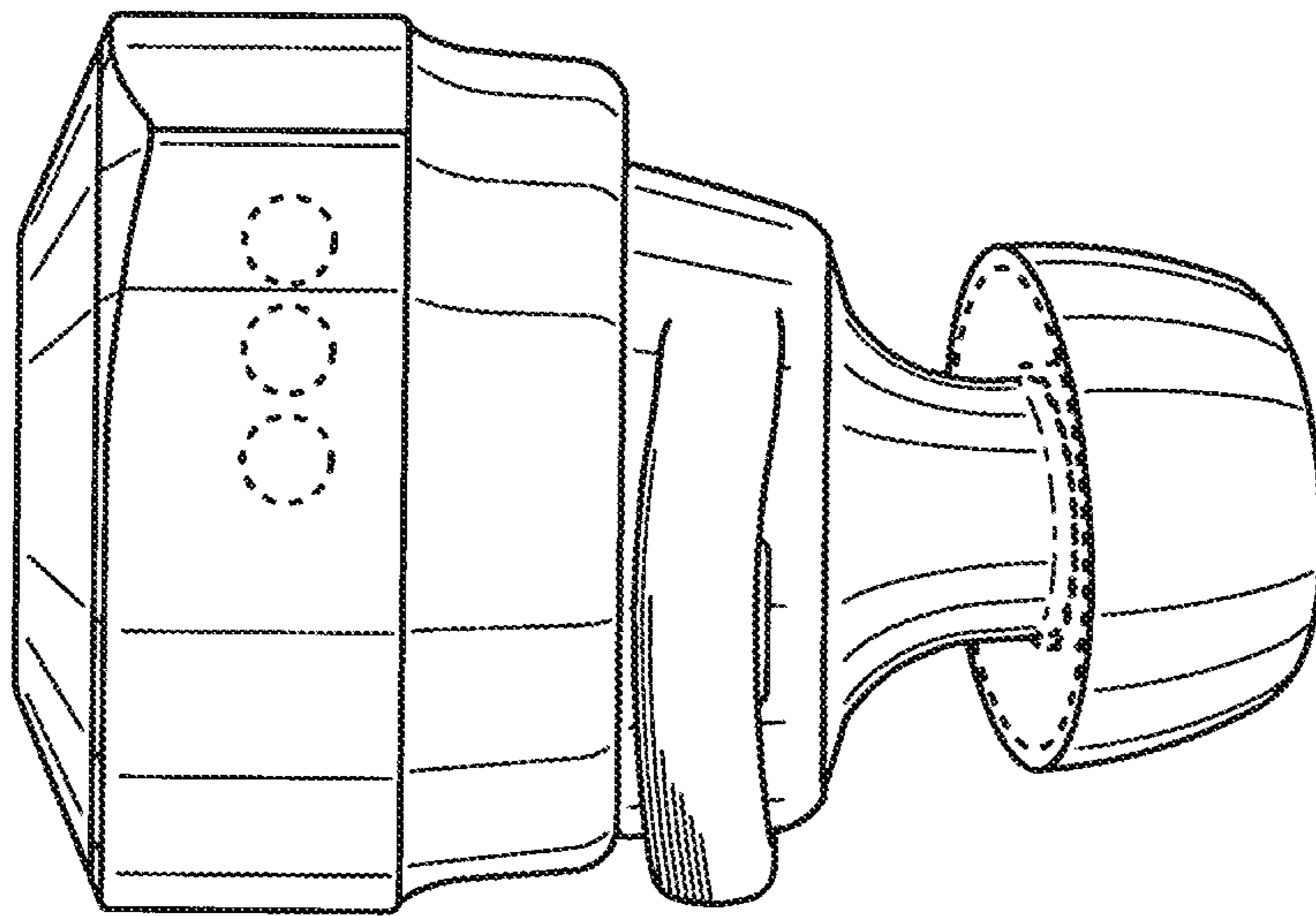
*FIG. 3*



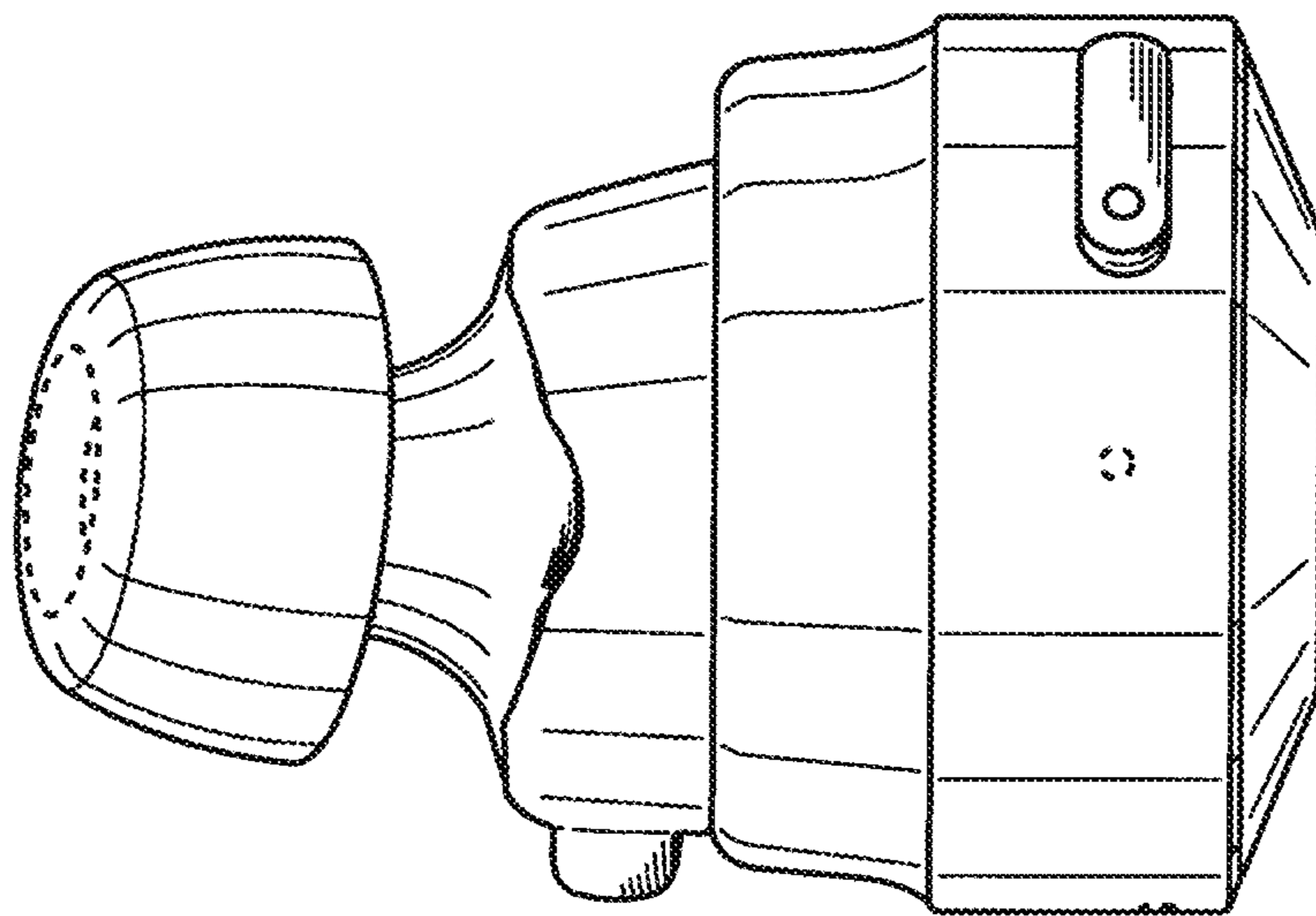
*FIG. 4*



*FIG. 5*

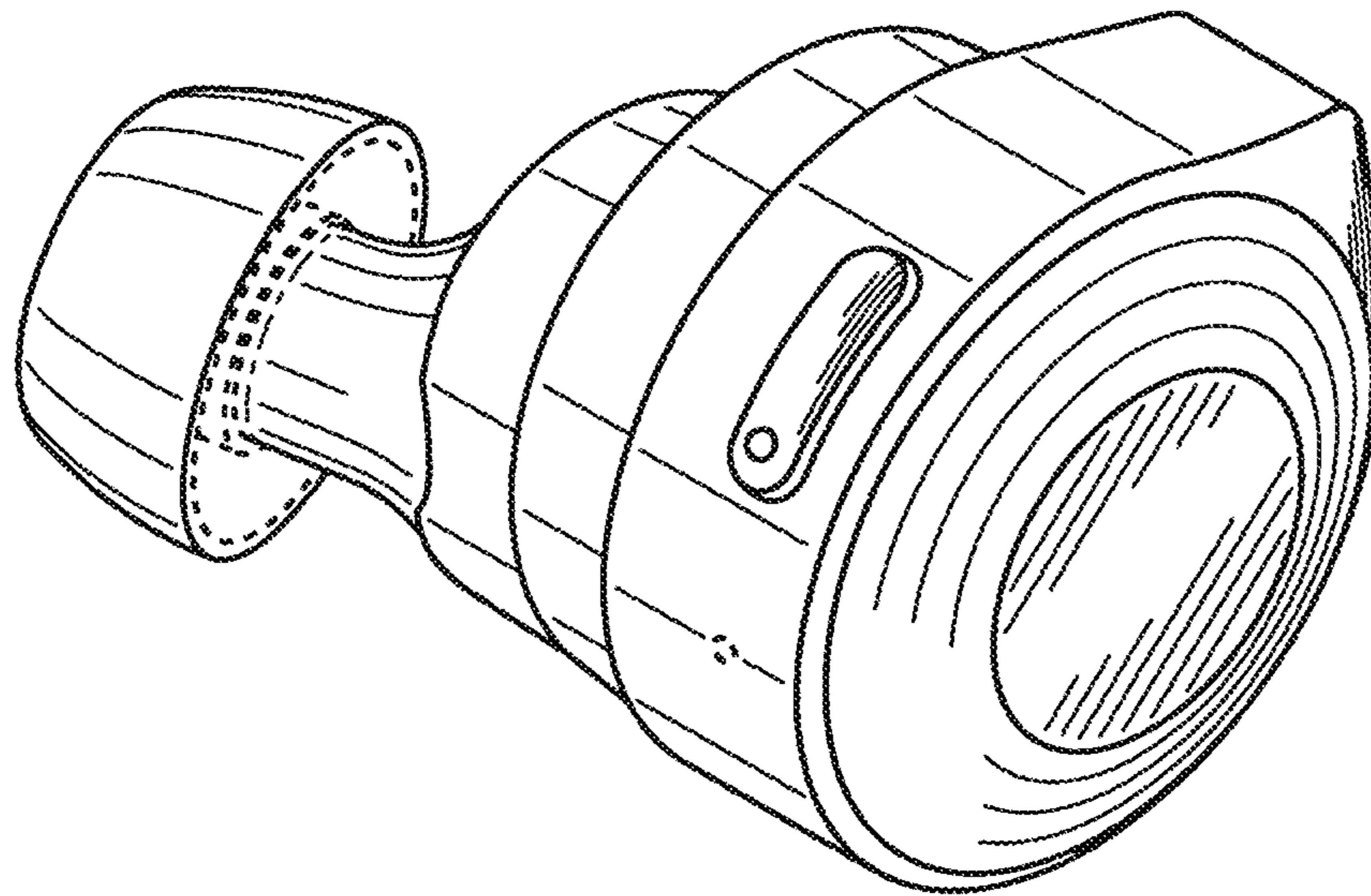


*FIG. 6*





*FIG. 7*



*FIG. 8*

