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(12) **United States Design Patent**
Carron

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(54) **DENTAL PROPHY ANGLE NOSECONE ATTACHMENT FEATURE**

5,040,978 A 8/1991 Falcon et al.
5,062,796 A 11/1991 Rosenberg
D323,395 S * 1/1992 Meller D24/146
5,120,220 A 6/1992 Butler
5,156,547 A 10/1992 Bailey
(Continued)

(71) Applicant: **AVID, Inc.**, Bloomsdale, MO (US)

(72) Inventor: **Chris J. Carron**, Bloomsdale, MO (US)

(73) Assignee: **Avid, Inc.**, Bloomsdale, MO (US)

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

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(51) **LOC (10) Cl.** **24-02**

(52) **U.S. Cl.**
USPC **D24/152**

(58) **Field of Classification Search**
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CPC A61C 17/00; A61C 17/005; A61C 17/16;
A61C 1/10; A61C 1/12; A61C 1/141
See application file for complete search history.

(56) **References Cited**

U.S. PATENT DOCUMENTS

3,163,934 A 1/1965 Wiseman
3,509,629 A 5/1970 Mansano Kidokoro et al.
3,740,853 A 6/1973 Brahler
3,769,707 A 11/1973 Condon
3,775,849 A 12/1973 Condon
3,847,154 A 11/1974 Nordin
3,939,599 A 2/1976 Henry et al.
4,053,983 A 10/1977 Flatland
4,278,429 A 7/1981 Straihammer et al.
4,310,310 A 1/1982 Bailey
4,827,552 A 5/1989 Bojar et al.
5,007,832 A 4/1991 Meller et al.
5,020,281 A 6/1991 Neff
5,020,994 A 6/1991 Huang
5,028,233 A 7/1991 Witherby

FOREIGN PATENT DOCUMENTS

AU 2010201843 A1 5/2010
BR PI0607986-5 A2 10/2009
WO WO2006/099469 9/2006

OTHER PUBLICATIONS

American National Standard Institute/American Dental Association (ANSI/ADA) Specification No. 85—Part 1 (Aug. 25, 2004).

Primary Examiner — Wan Laymon
(74) *Attorney, Agent, or Firm* — Harness, Dickey & Pierce, P.L.C.

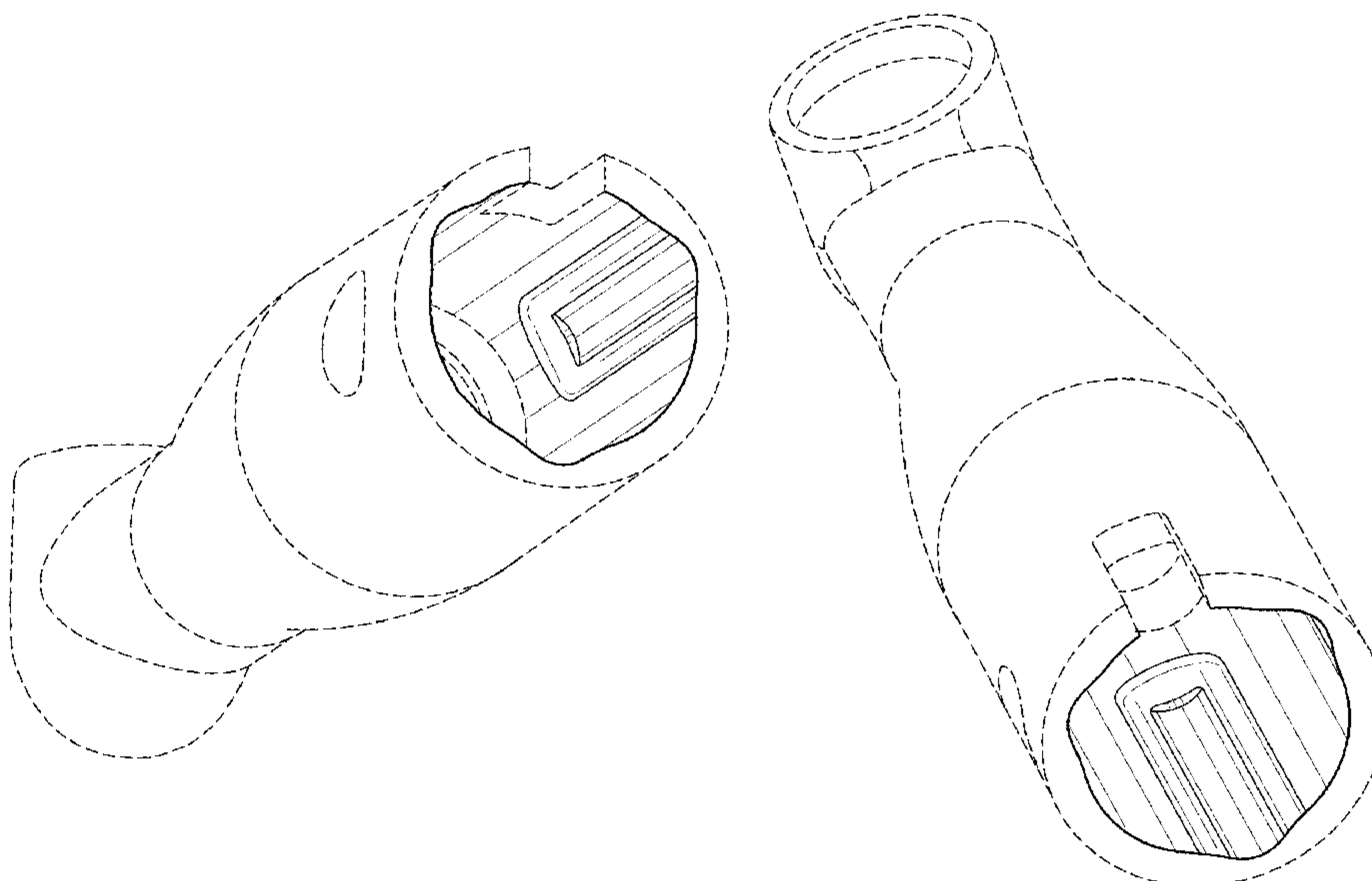
(57) **CLAIM**

The ornamental design for a dental prophy angle nosecone attachment feature, as shown and described.

DESCRIPTION

FIG. 1 is an end elevation of the dental prophy angle nosecone attachment feature that mates with an unshown dental handpiece nosecone;
FIG. 2 is a cross-sectional view of the dental prophy angle nosecone attachment feature taken along line 2-2 of FIG. 1;
FIG. 3 is a perspective view of the dental prophy angle nosecone attachment feature; and,
FIG. 4 is another perspective view of the dental prophy angle nosecone attachment feature.
The dashed lines showing an example prophy angle body and head portion illustrate portions of a dental prophy angle nosecone attachment feature that form no part of the claimed design.

1 Claim, 2 Drawing Sheets



(56)

References Cited

U.S. PATENT DOCUMENTS

5,178,538 A	1/1993	Eckert	6,128,397 A	10/2000	Baluja et al.
5,209,658 A	5/1993	Brahler	6,168,433 B1	1/2001	Hamlin
5,328,369 A	7/1994	Bailey	6,203,322 B1	3/2001	Kraenzle
5,340,310 A	8/1994	Bifulk	6,257,886 B1	7/2001	Warner
5,348,473 A	9/1994	Kivlighan, Jr.	6,270,345 B1	8/2001	Abbott et al.
5,352,119 A	10/1994	Sakurai	6,315,559 B1	11/2001	Nakanishi
5,380,202 A	1/1995	Brahler	6,382,971 B1	5/2002	Randolph
5,433,605 A	7/1995	Strobl, Jr.	6,579,093 B2	6/2003	Bailey et al.
5,482,461 A	1/1996	Yale	6,655,015 B2	12/2003	Kraenzle
5,484,284 A	1/1996	Bailey	D533,276 S *	12/2006	Nakanishi D24/152
5,496,218 A	3/1996	Brahler	7,153,133 B1	12/2006	Chia et al.
5,498,159 A *	3/1996	Coss A61C 17/005 433/125	7,160,108 B2	1/2007	Jaffe
5,529,495 A	6/1996	Edwards	7,255,559 B2	8/2007	Shen et al.
5,531,599 A	7/1996	Bailey	7,338,285 B1	3/2008	Balaban
5,549,634 A	8/1996	Scott et al.	7,422,433 B2	9/2008	Carron et al.
5,571,012 A	11/1996	Witherby et al.	7,762,813 B2	7/2010	Seals et al.
5,575,799 A	11/1996	Bolanos et al.	7,955,079 B2	6/2011	Chronister et al.
5,642,995 A	7/1997	Bailey	8,123,523 B2	2/2012	Carron et al.
5,645,426 A	7/1997	Grim et al.	8,360,774 B2	1/2013	Carron et al.
5,674,068 A	10/1997	Eibofner	8,459,992 B2	6/2013	Carron et al.
5,683,247 A	11/1997	Bailey	8,597,022 B2	12/2013	Carron et al.
5,692,901 A	12/1997	Roth et al.	8,668,494 B2	3/2014	Carron et al.
5,730,595 A	3/1998	Bailey	8,764,442 B2	7/2014	Mansour
5,797,744 A	8/1998	Rosenberg	8,777,615 B2	7/2014	Hayman et al.
5,871,353 A	2/1999	Pierce et al.	8,784,102 B1	7/2014	Kumar
5,902,107 A	5/1999	Lowell	8,814,566 B2	8/2014	Carron et al.
5,911,577 A	6/1999	Henrikson	8,834,159 B2	9/2014	Carron et al.
5,924,864 A	7/1999	Logé et al.	D716,946 S	11/2014	Wilson
5,931,672 A	8/1999	Postal et al.	9,289,271 B2 *	3/2016	Kimura A61C 1/10
5,941,705 A	8/1999	Makris et al.	2006/0292522 A1 *	12/2006	Lees A61C 17/005 433/116
5,964,590 A	10/1999	Loddeke et al.	2008/0311541 A1	12/2008	Carron et al.
5,980,248 A	11/1999	Kusakabe et al.	2009/0081609 A1	3/2009	Kalbfeld et al.
5,984,654 A *	11/1999	Mendoza A61C 1/05 415/141	2009/0220910 A1	9/2009	Wang
6,012,922 A	1/2000	Novak	2010/0015568 A1	1/2010	Carron et al.
6,042,377 A	3/2000	Ito	2010/0035205 A1	2/2010	Wang et al.
6,050,989 A	4/2000	Fox et al.	2011/0065063 A1	3/2011	Bock
6,053,732 A	4/2000	Sale	2011/0244420 A1	10/2011	Chronister et al.
6,083,000 A	7/2000	Charlton	2012/0156643 A1	6/2012	Carron et al.
6,089,866 A	7/2000	Brahler	2012/0214126 A1	8/2012	Carron et al.
6,099,309 A	8/2000	Cardarelli	2013/0130198 A1	5/2013	Carron et al.
			2014/0141386 A1	5/2014	Madry et al.
			2015/0079540 A1 *	3/2015	Rek A61C 17/005 433/122

* cited by examiner

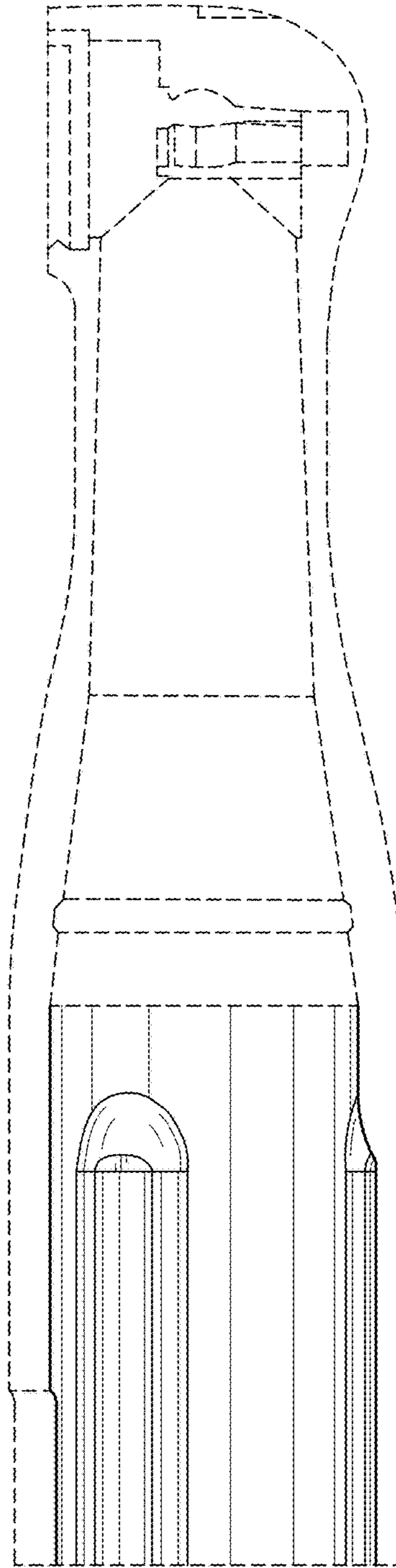
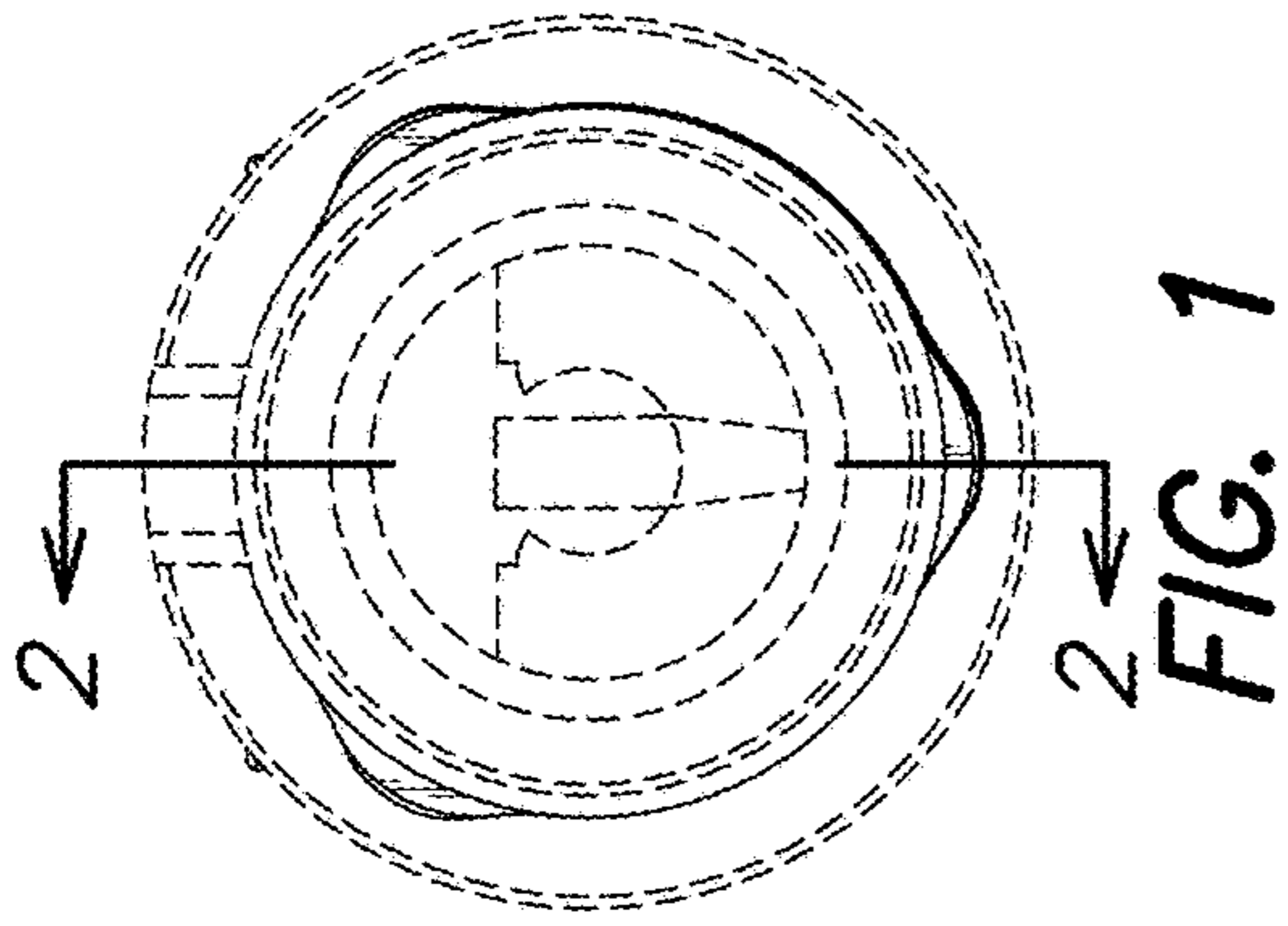


FIG. 2

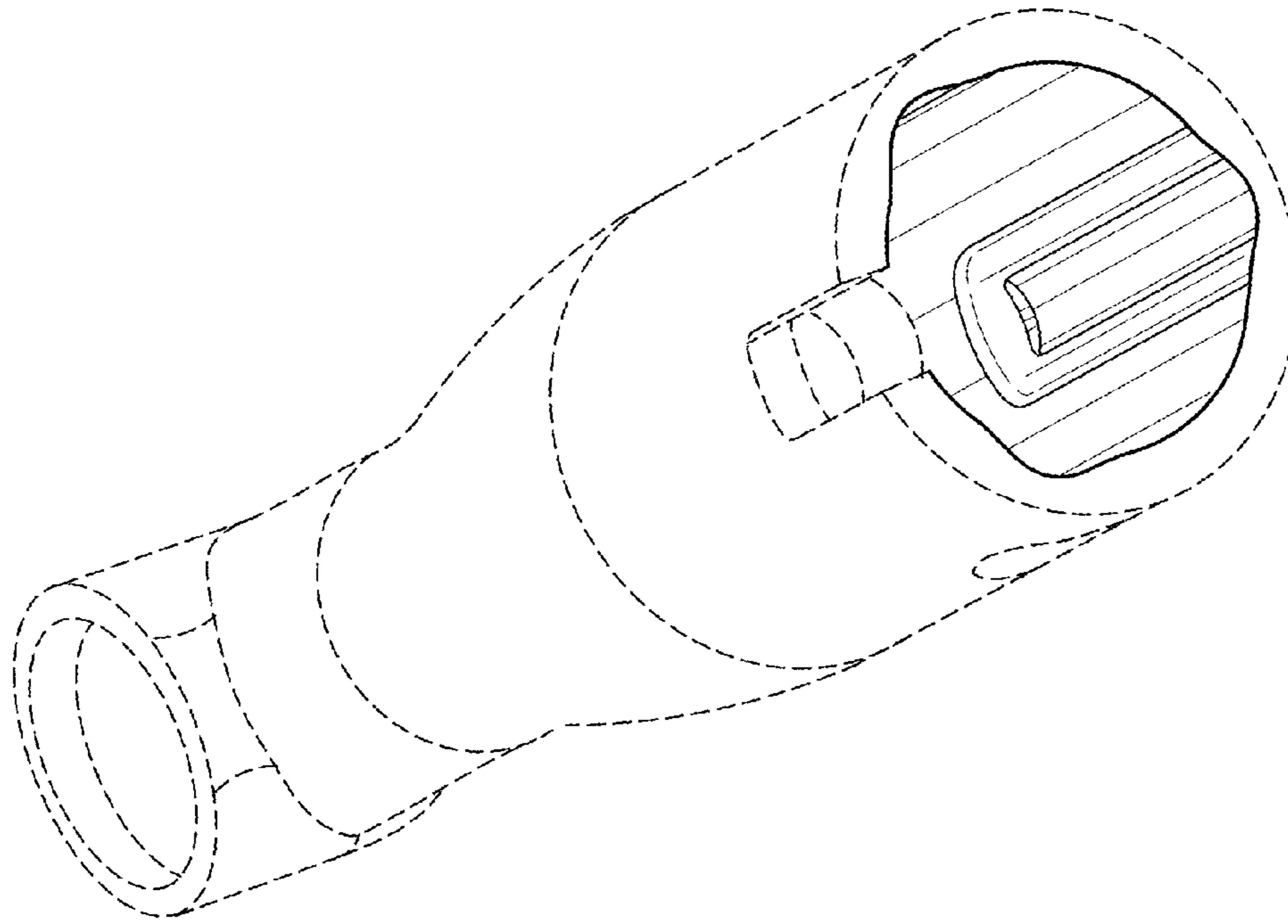


FIG. 4

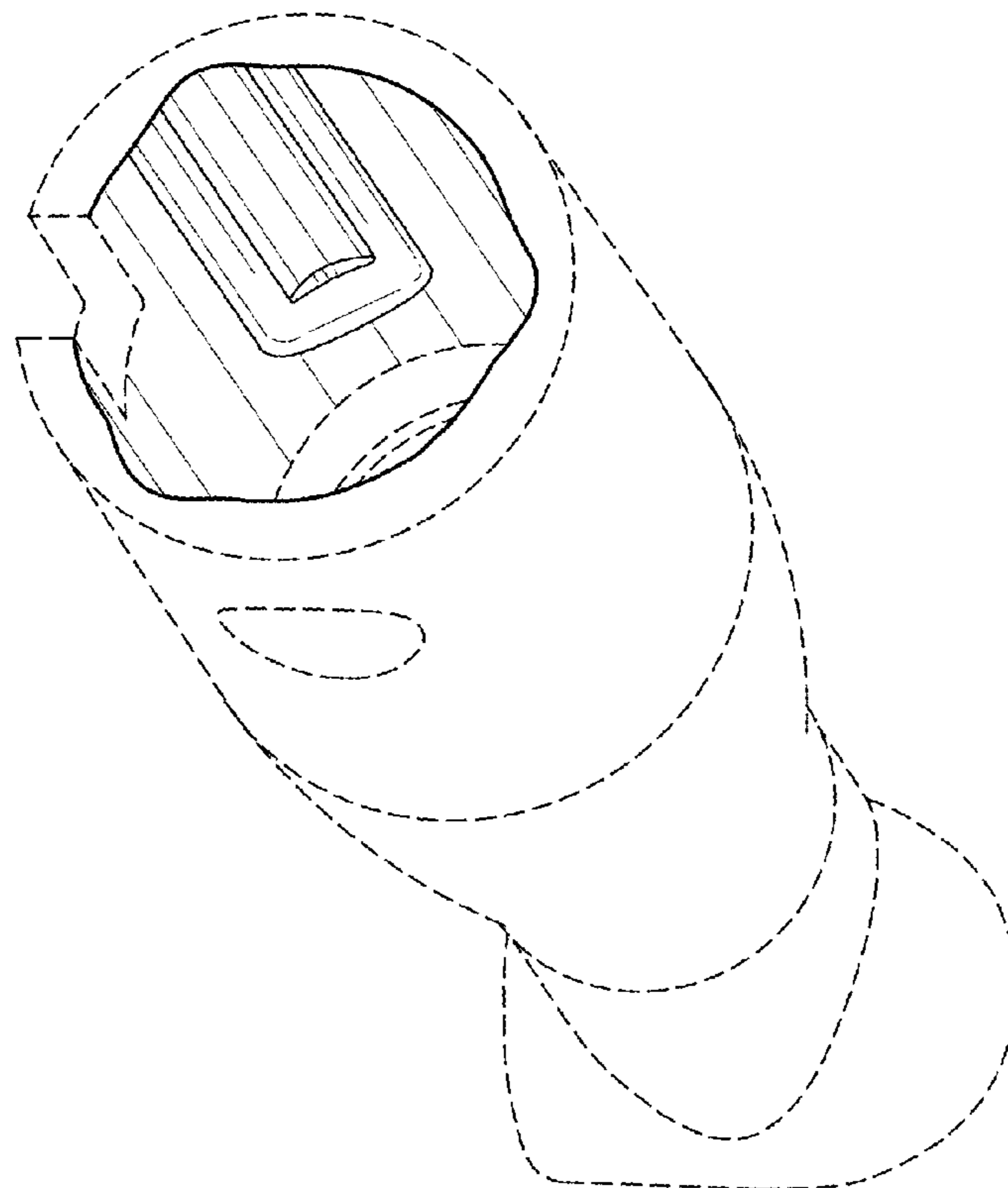


FIG. 3