



US00D787046S

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

(10) **Patent No.:** **US D787,046 S**
(45) **Date of Patent:** **** May 16, 2017**

(54) **MEDICAMENT INJECTION DEVICE**

5,921,966 A	7/1999	Bendek et al.	
6,090,070 A *	7/2000	Hager	A47F 1/03 604/131
D449,104 S	10/2001	Baker et al.	
RE37,439 E	11/2001	Firth et al.	
D455,209 S *	4/2002	Himbert	D24/112
6,585,685 B2	7/2003	Staylor et al.	
6,585,698 B1 *	7/2003	Packman	A61M 5/24 604/207
D484,244 S	12/2003	Starnes	
D551,295 S	9/2007	Chen	
D551,341 S *	9/2007	Galbraith	D24/114

(Continued)

(71) Applicants: **SANOFI**, Paris (FR); **REGENERON PHARMACEUTICALS, INC.**, Tarrytown, NY (US)

(72) Inventors: **Jochen Ratjen**, Nacka (SE); **Katja Wessel**, Stockholm (SE)

(73) Assignee: **SANOFI**, Paris (FR)

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

(21) Appl. No.: **29/582,555**

(22) Filed: **Oct. 28, 2016**

Related U.S. Application Data

(60) Division of application No. 29/501,280, filed on Sep. 3, 2014, now Pat. No. Des. 782,033, which is a continuation-in-part of application No. 29/483,790, filed on Mar. 3, 2014, now Pat. No. Des. 739,932.

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

(52) **U.S. Cl.**
USPC **D24/112**

(58) **Field of Classification Search**

USPC D24/112-114, 133, 186, 104, 130, 127;
606/181, 185; 604/264, 272, 115, 232,
604/187, 158, 164.08, 192, 263, 163, 181,
604/184, 198, 227

CPC A61M 5/2033; A61M 5/3204; A61M
2005/208; A61M 2005/206; A61M
2005/2418

See application file for complete search history.

(56) **References Cited**

U.S. PATENT DOCUMENTS

4,636,202 A	1/1987	Lowin et al.
5,045,066 A	9/1991	Scheuble et al.
5,501,670 A	3/1996	Sak

FOREIGN PATENT DOCUMENTS

WO 2013/135566 9/2013

Primary Examiner — David Muller

Assistant Examiner — Nathan Johnston

(74) *Attorney, Agent, or Firm* — McDonnell Boehnen Hulbert & Berghoff LLP

(57) **CLAIM**

The ornamental design for a medicament injection device, as shown and described.

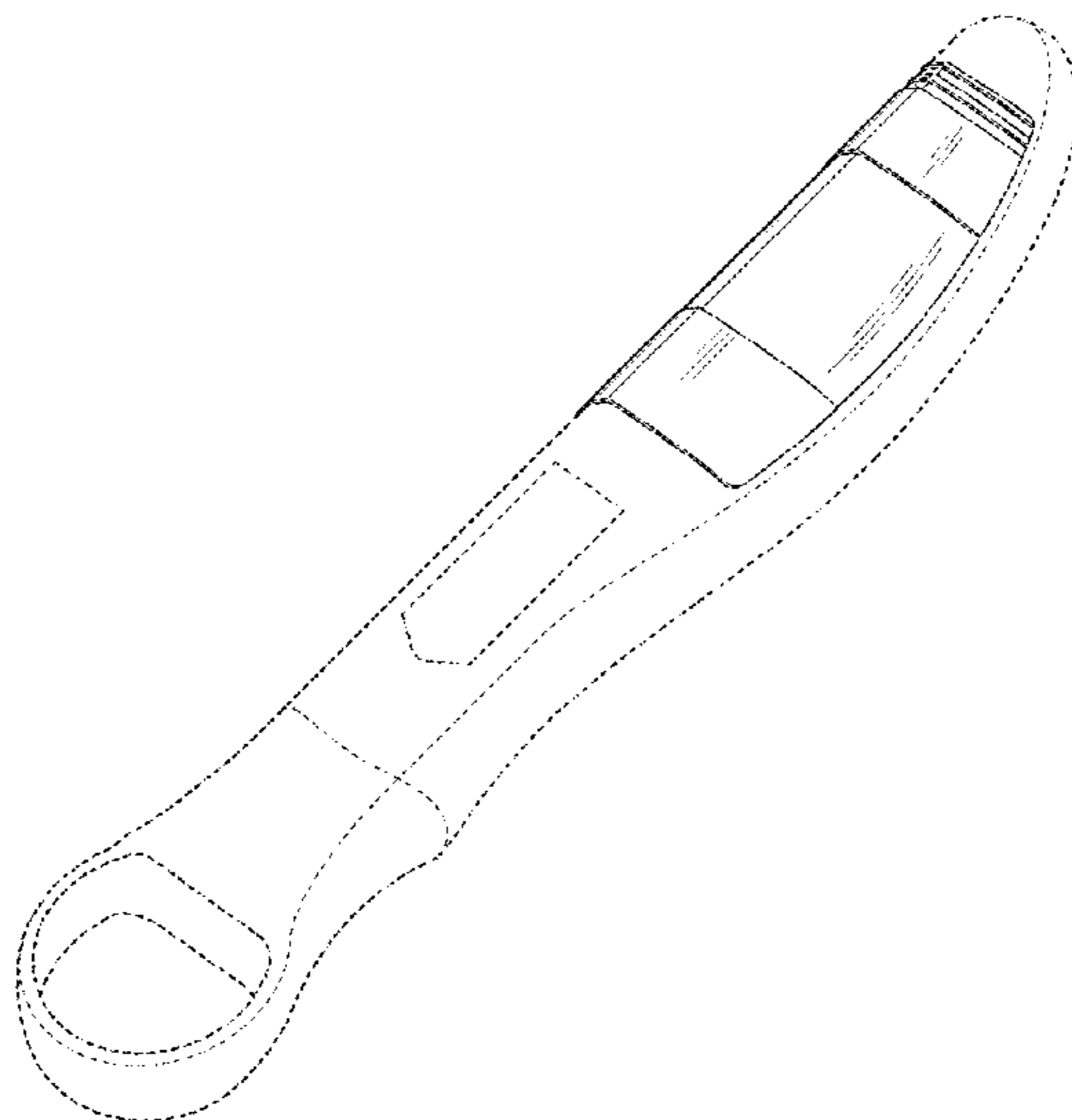
DESCRIPTION

FIG. 1 is a perspective view of the injection device viewed from the front and right of and above the injection device; FIG. 2 is another perspective view from the front and right thereof;

FIG. 3 is a perspective view of a second embodiment of the injection device shown from the front and right; and, FIG. 4 is another perspective view from the front and right thereof.

The broken lines showing in the figures are for the purpose of illustrating portions of the article and forms no part of the claimed design. The broken line, which defines the bounds of the claimed invention, forms no part of the claimed design.

1 Claim, 4 Drawing Sheets



(56)

References Cited

U.S. PATENT DOCUMENTS

D583,932	S	*	12/2008	Clement	D24/113
D621,045	S		8/2010	Trissel et al.	
D628,632	S		12/2010	Liu	
D628,690	S	*	12/2010	Galbraith	D24/114
7,976,494	B2	*	7/2011	Kohlbrener	A61M 5/31553
					604/207
8,057,433	B2		11/2011	Cuca et al.	
D652,516	S		1/2012	Sherwood et al.	
D660,419	S		5/2012	Morgan et al.	
D671,638	S		11/2012	Young et al.	
D677,380	S		3/2013	Julian et al.	
D677,785	S		3/2013	Stones et al.	
D692,559	S	*	10/2013	Scheibel	D24/133
8,591,463	B1	*	11/2013	Cowe	A61M 5/20
					604/117
D694,879	S		12/2013	Julian et al.	
8,652,100	B1	*	2/2014	Cowe	A61M 5/2033
					604/117
8,652,159	B2		2/2014	Trissel et al.	
D709,184	S	*	7/2014	Lee-Sepsick	D24/112
D726,902	S		4/2015	McLoughlin et al.	
D735,848	S		8/2015	Dubuc et al.	
D739,932	S		9/2015	Ratjen et al.	
D748,253	S		1/2016	Ratjen et al.	
D753,291	S		4/2016	Ratjen et al.	
D780,909	S	*	3/2017	Burkett	D24/113
D782,035	S	*	3/2017	Bainton	D24/113
2014/0330203	A1		11/2014	McLoughlin et al.	
2015/0182691	A1		7/2015	McLoughlin et al.	

* cited by examiner

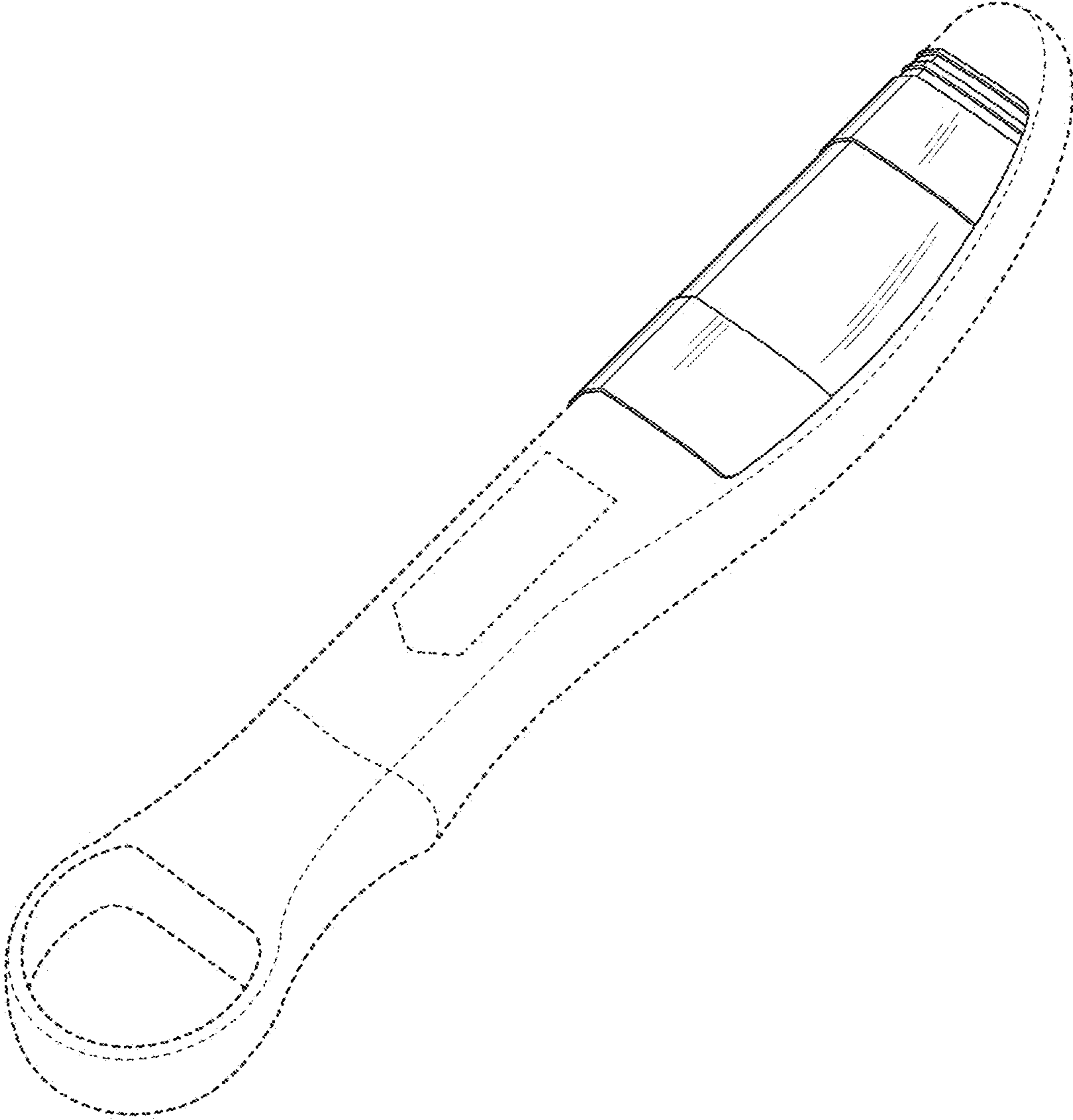


FIG. 1

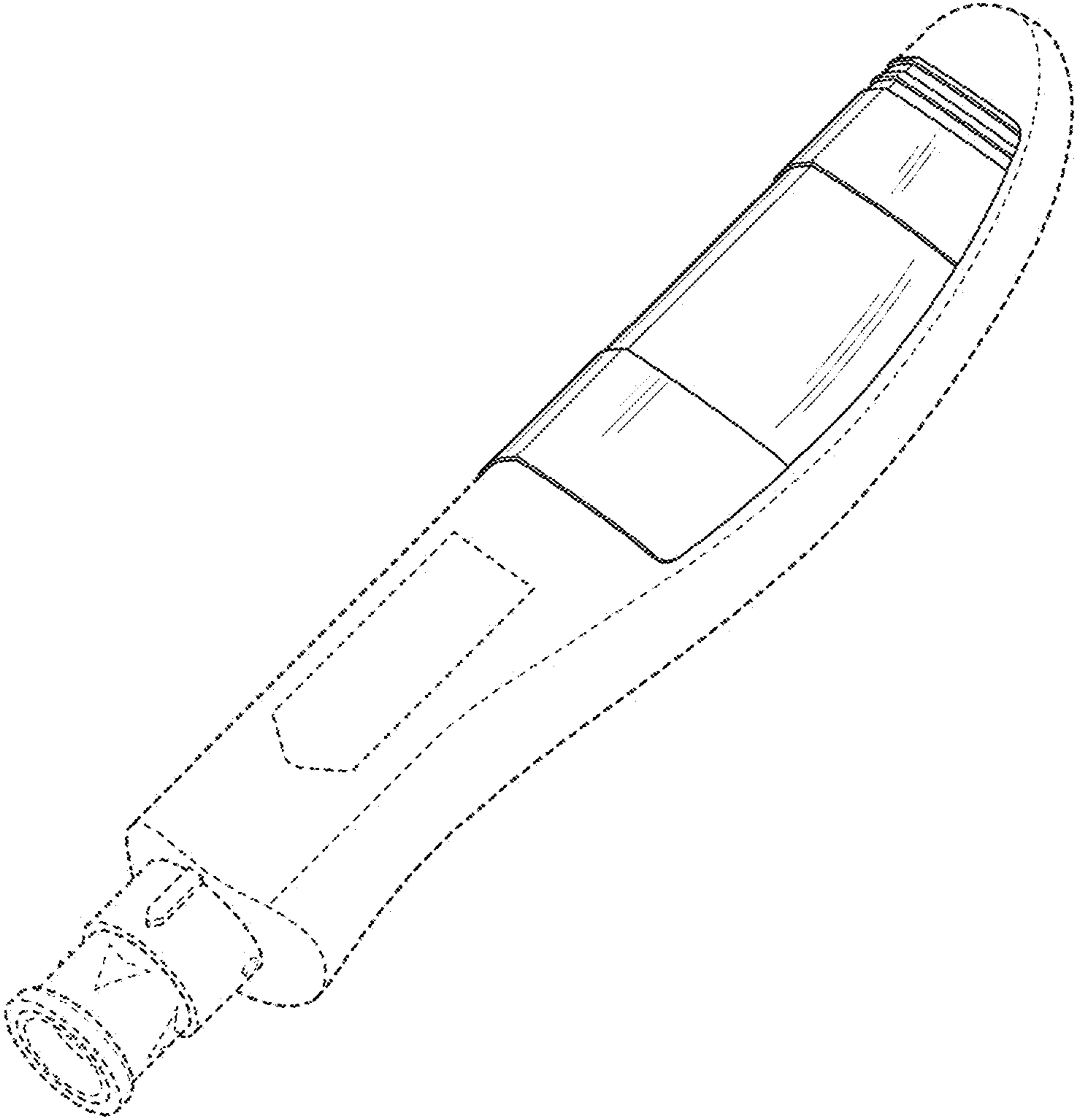


FIG. 2

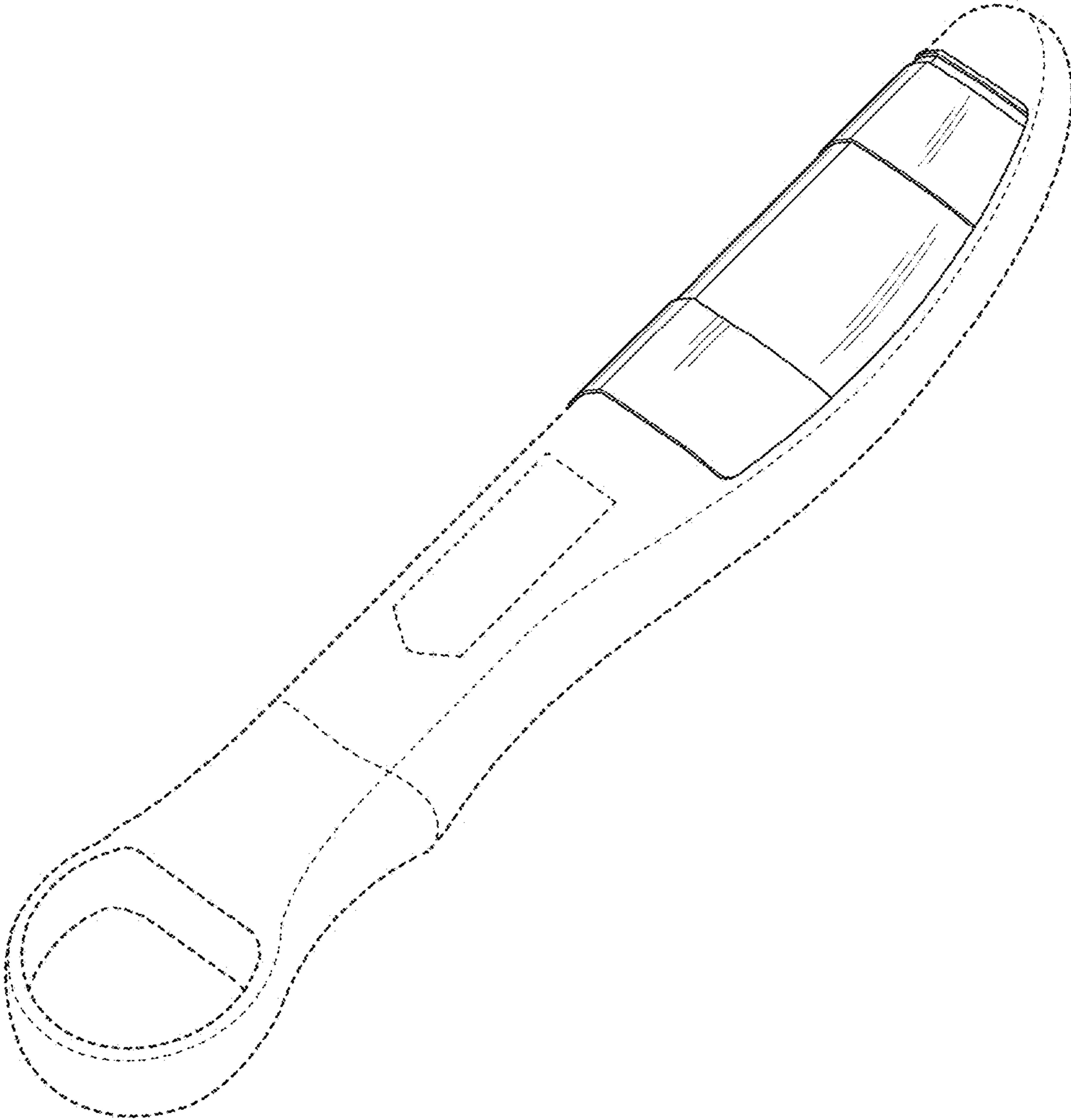


FIG. 3

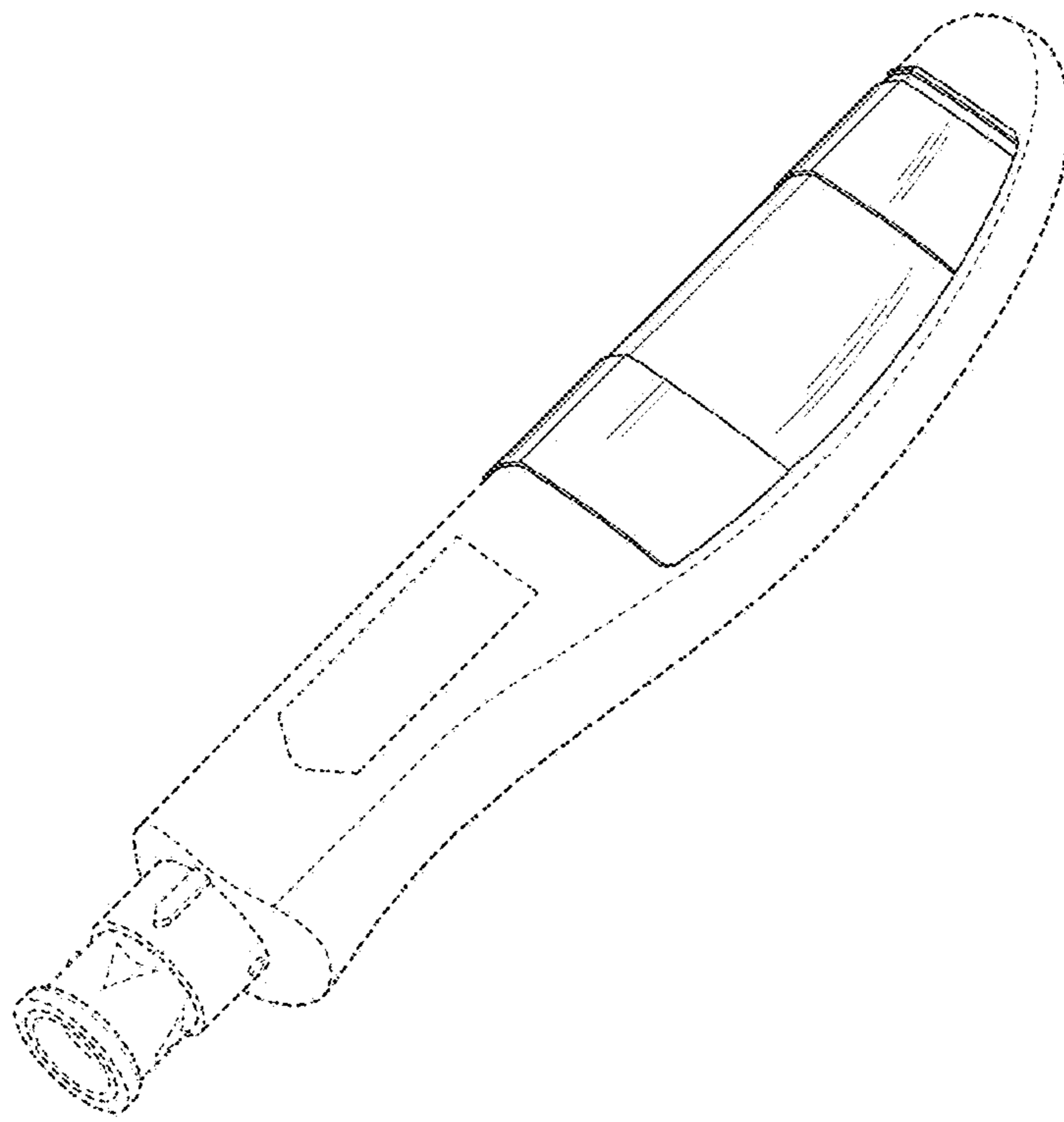


FIG. 4