

US00D977088S

(12) **United States Design Patent** (10) **Patent No.:** **US D977,088 S**
Chuvashova et al. (45) **Date of Patent:** **** Jan. 31, 2023**

(54) **INJECTION DEVICE**

(71) Applicant: **SHL MEDICAL AG**, Zug (CH)

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(73) Assignee: **SHL MEDICAL AG**, Zug (SE)

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

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(51) **LOC (14) Cl.** **24-02**

(52) **U.S. Cl.**
USPC **D24/113**

(58) **Field of Classification Search**
USPC D24/112–114, 133, 186, 127–131, 144;
D19/115–123, 177, 193
CPC A61M 5/3156; A61M 5/31591; A61M
5/3155; A61M 5/3157; A61M 5/24;
A61M 5/31501; A61M 5/31551; A61M
5/31585
See application file for complete search history.

(56) **References Cited**

U.S. PATENT DOCUMENTS

D607,558 S * 1/2010 Abry D24/113
D695,892 S * 12/2013 Cappello D24/113
D696,397 S * 12/2013 Guarraia D24/113
D696,771 S * 12/2013 Schneider D24/113

(Continued)

FOREIGN PATENT DOCUMENTS

EM 008587380-0001 * 6/2021
WO 2017/202595 A1 11/2017
WO 2017/220311 A1 12/2017

OTHER PUBLICATIONS

ISO 11608-1:2014 Needle-Based Injection Systems, Instron,
Instron.com, [Post date unknown], [Site seen Oct. 17, 2022], Seen

at URL: <https://www.instron.com/en/testing-solutions/iso-standards/iso-11608> (Year: 2022).*

(Continued)

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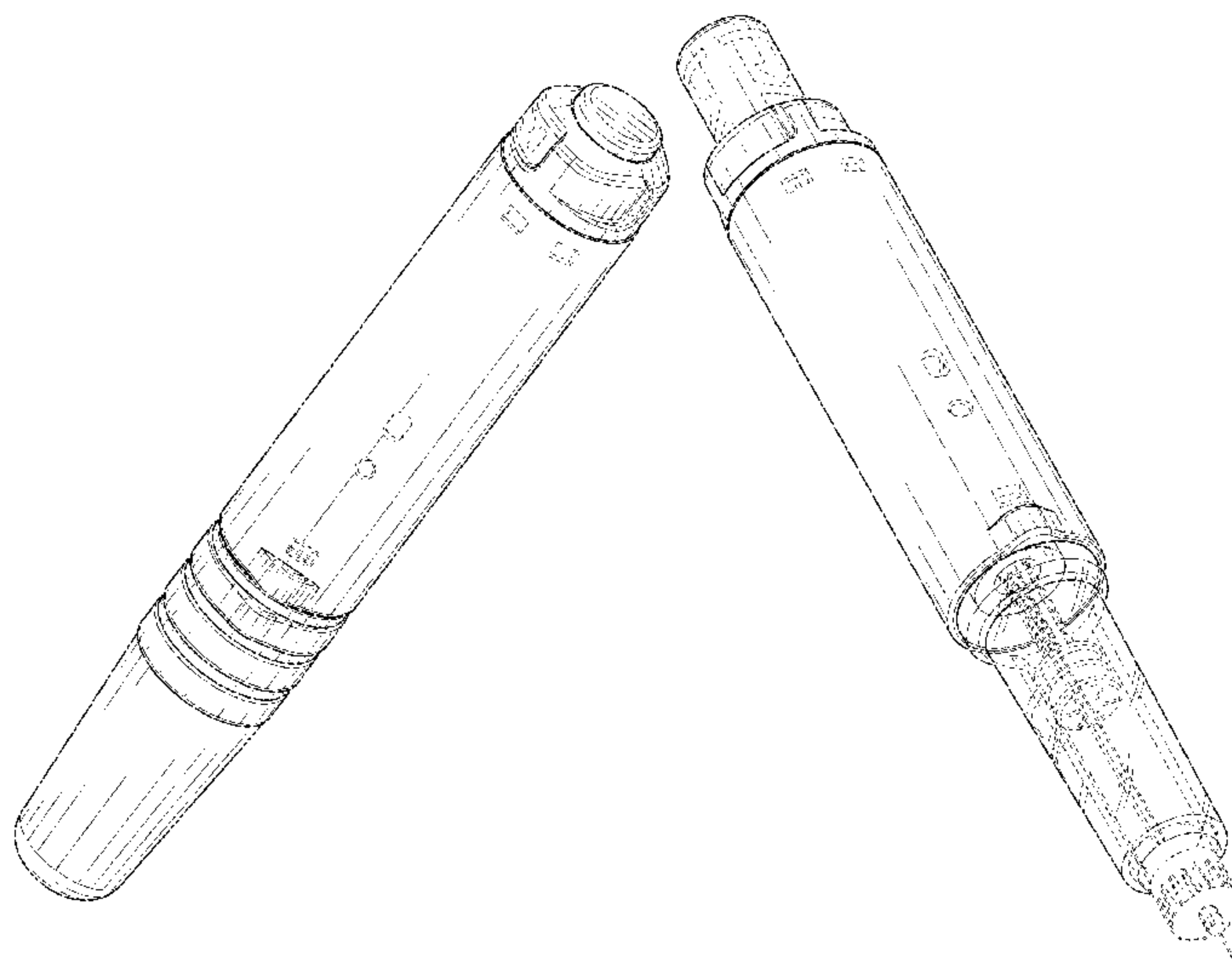
(57) **CLAIM**

We claim, the ornamental design for an injection device, as shown and described.

DESCRIPTION

FIG. 1 is a perspective view of the back and left of and above the injection device;
FIG. 2 is a perspective view of the front and left of and below thereof;
FIG. 3 is the top plan view with the bottom plan view being a mirror image thereof;
FIG. 4 is the left side elevation view with the right-side elevation view being a mirror image thereof;
FIG. 5 a back elevation view thereof;
FIG. 6 is a front elevation view thereof;
FIG. 7 is a perspective view of the back and right of and below the injection device with the protective cap removed from the proximal end;
FIG. 8 is a perspective view of the front and right of and above thereof;
FIG. 9 is a left side plan view with the right-side plan view being a mirror image thereof;
FIG. 10 is a top elevation view with the bottom elevation view being a mirror image thereof;
FIG. 11 a rear elevation view thereof; and,
FIG. 12 is a front elevation view thereof.
The broken line showing is 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, 8 Drawing Sheets



References Cited

D697,205	S	*	1/2014	Schneider	D24/113
D703,314	S	*	4/2014	Schneider	D24/113
D786,423	S	*	5/2017	Jones	D24/113
D792,578	S	*	7/2017	Jones	D24/113
D793,547	S	*	8/2017	Burkett	D24/112
D824,023	S	*	7/2018	Grimoldby	D24/113
D863,549	S	*	10/2019	Jansen	D24/113
D868,245	S	*	11/2019	Holmqvist	A61M 5/31
					D24/112
D878,567	S	*	3/2020	Jansen	D24/113
D908,867	S	*	1/2021	Nicholas	D24/113
D916,277	S	*	4/2021	Nicholas	D24/113
D921,196	S	*	6/2021	Wang	D24/133
11,276,327	B2	*	3/2022	Boström	G09B 23/285
D954,941	S	*	6/2022	Yuan	D24/144
D956,215	S	*	6/2022	Krulevitch	D24/113

Author unknown, “Auto-injectors for intramuscular and subcutaneous administration”, Owenmumford.com, [Post date unknown], [Site seen Oct. 17, 2022], Seen at URL: <https://www.owenmumford.com/en/drug-delivery/auto-injectors> (Year: 2022).*

* cited by examiner

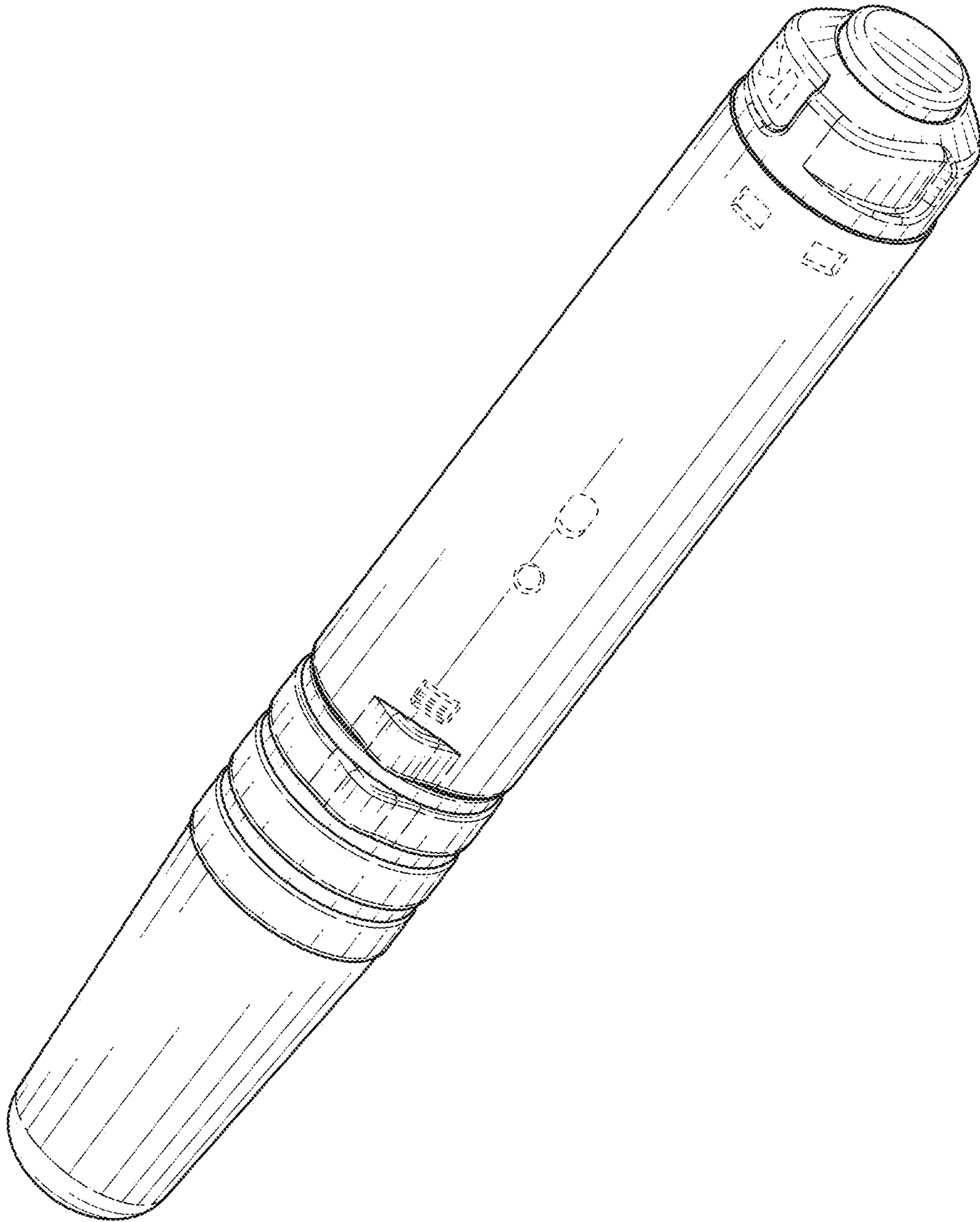


FIG. 1

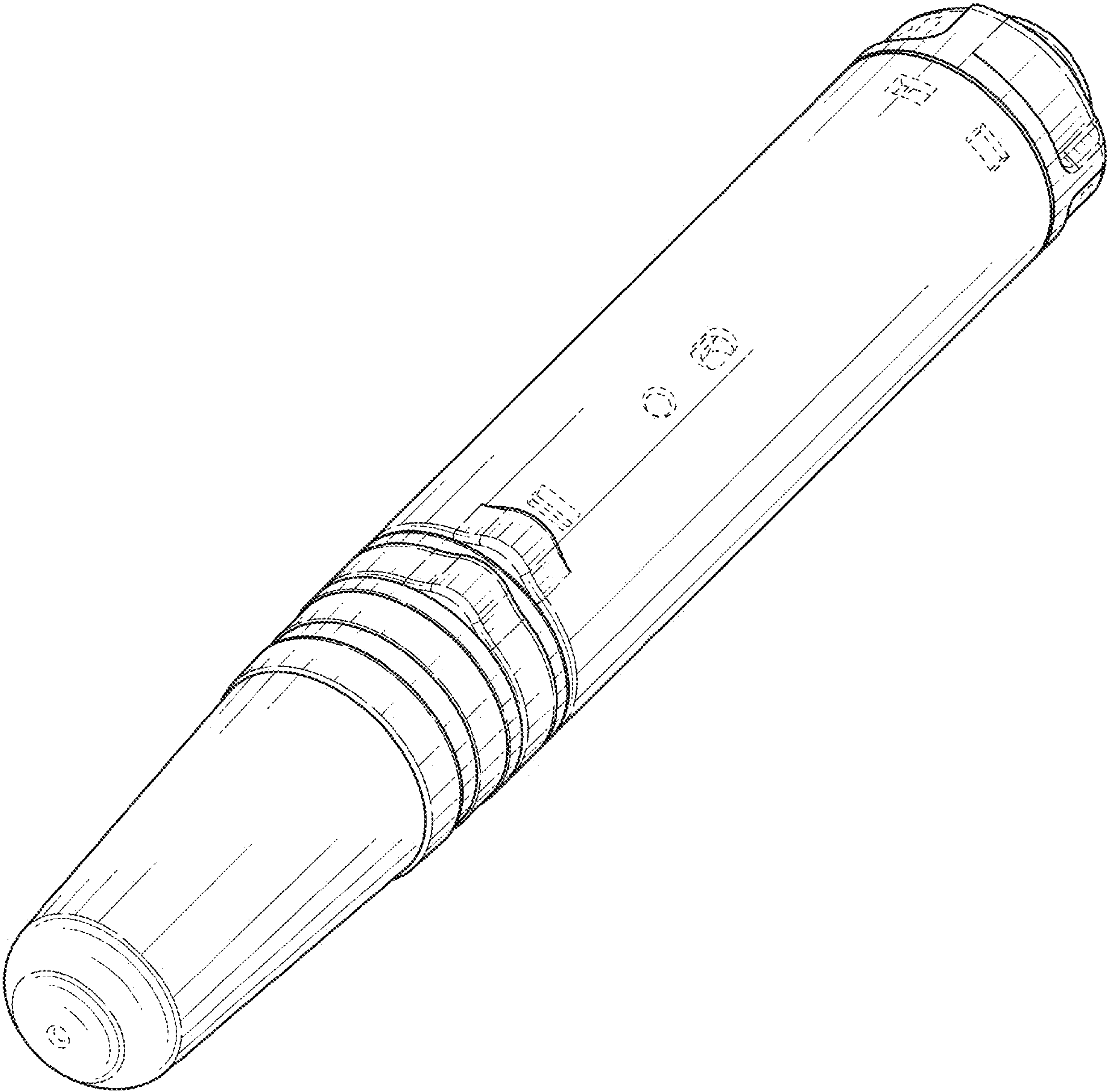


FIG. 2

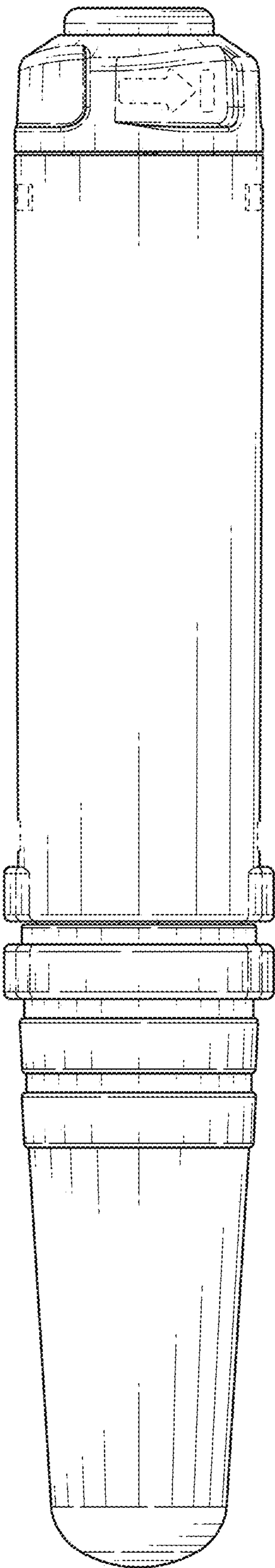


FIG. 3

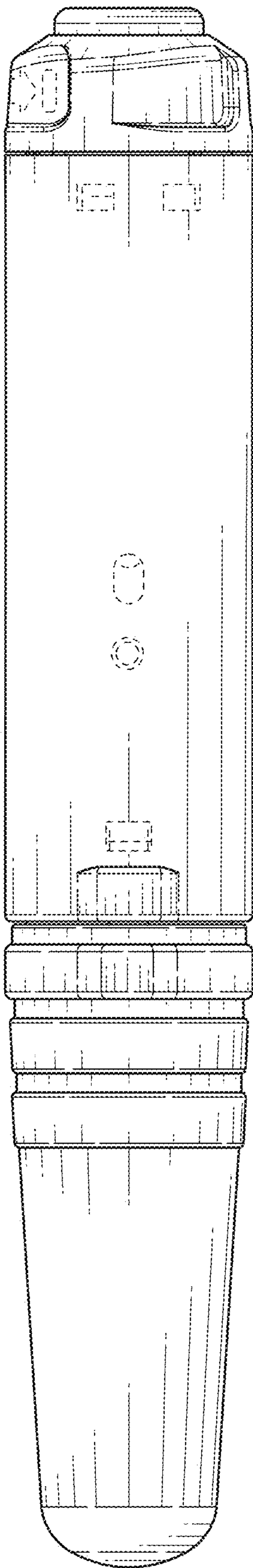


FIG. 4

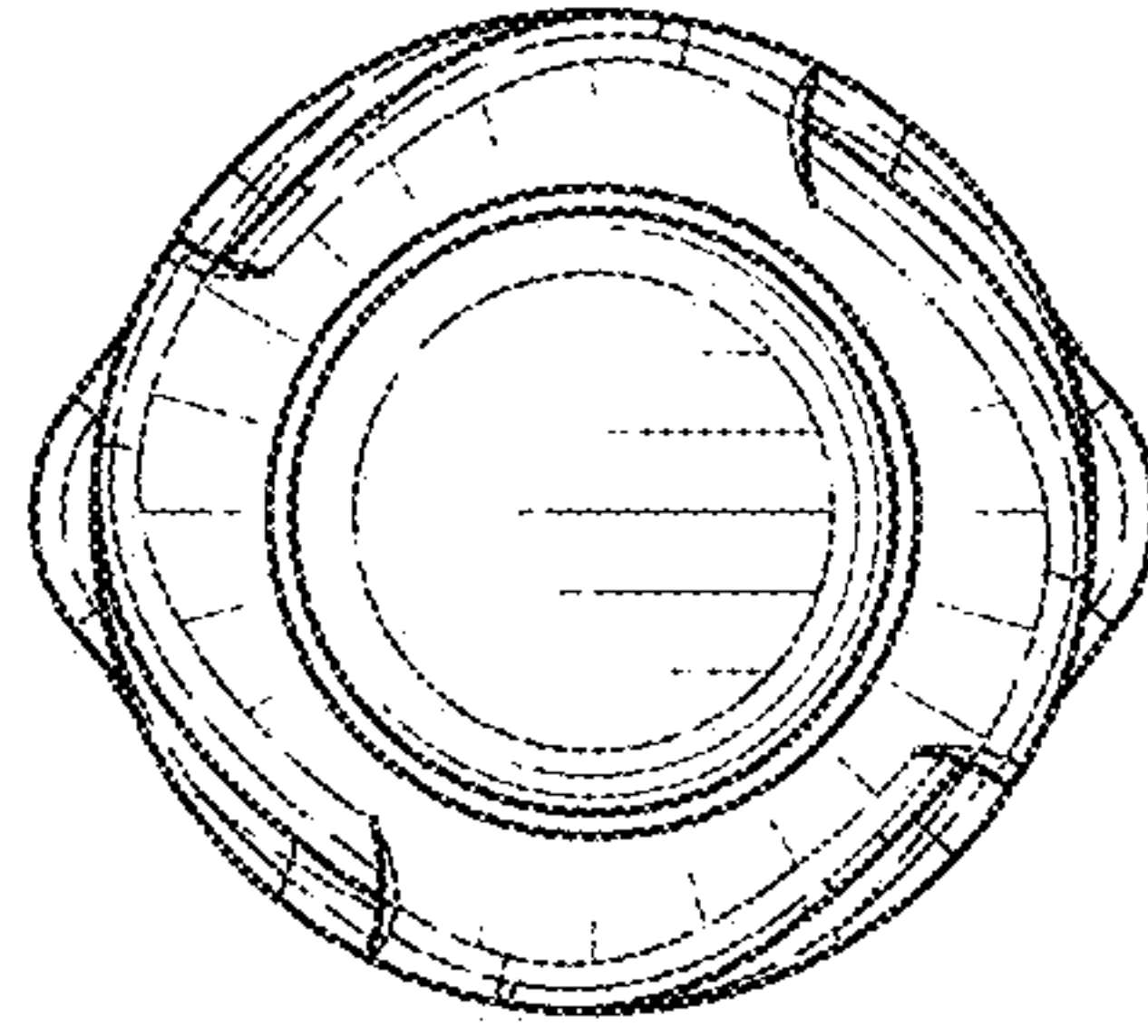


FIG. 5

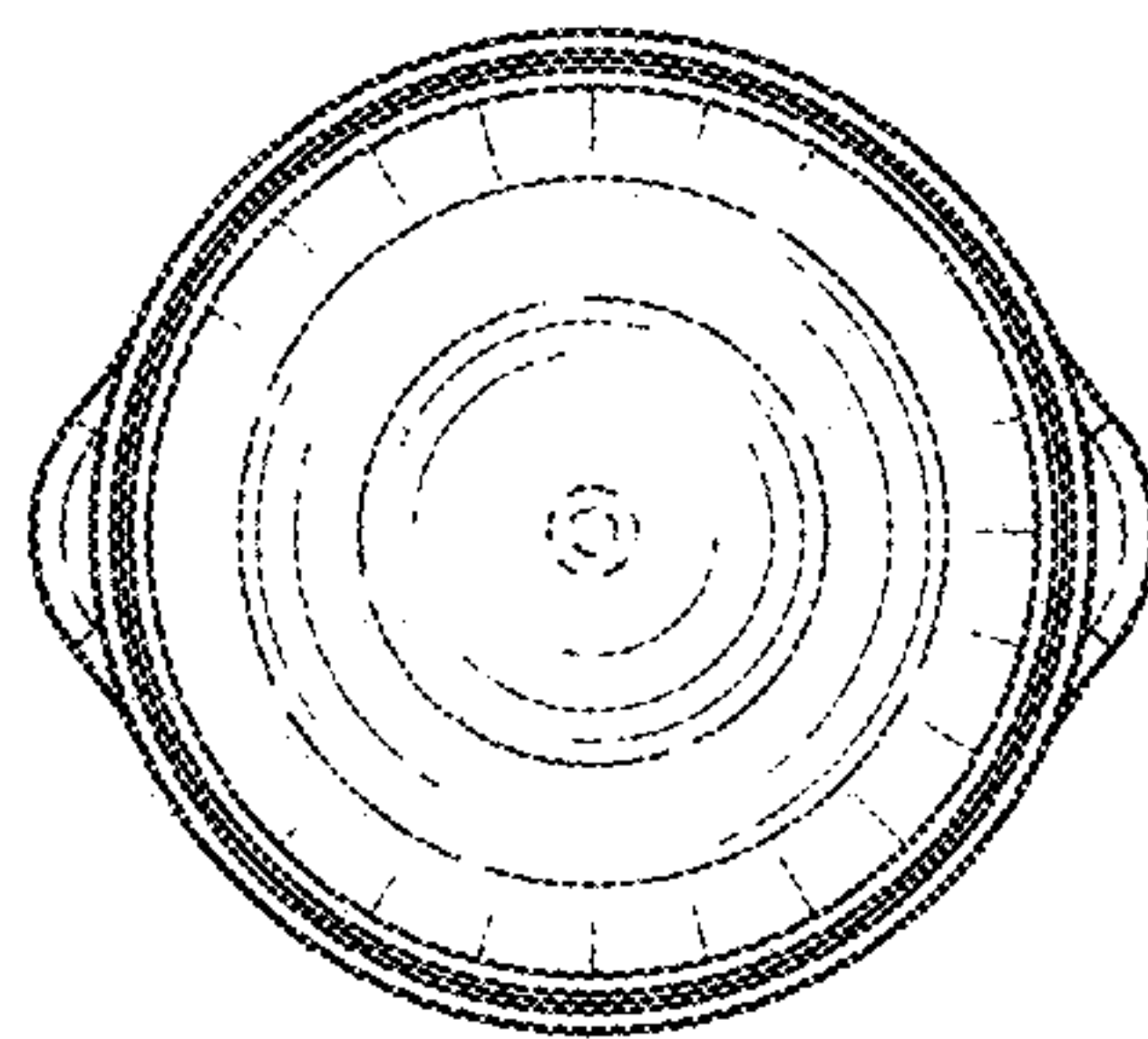


FIG. 6

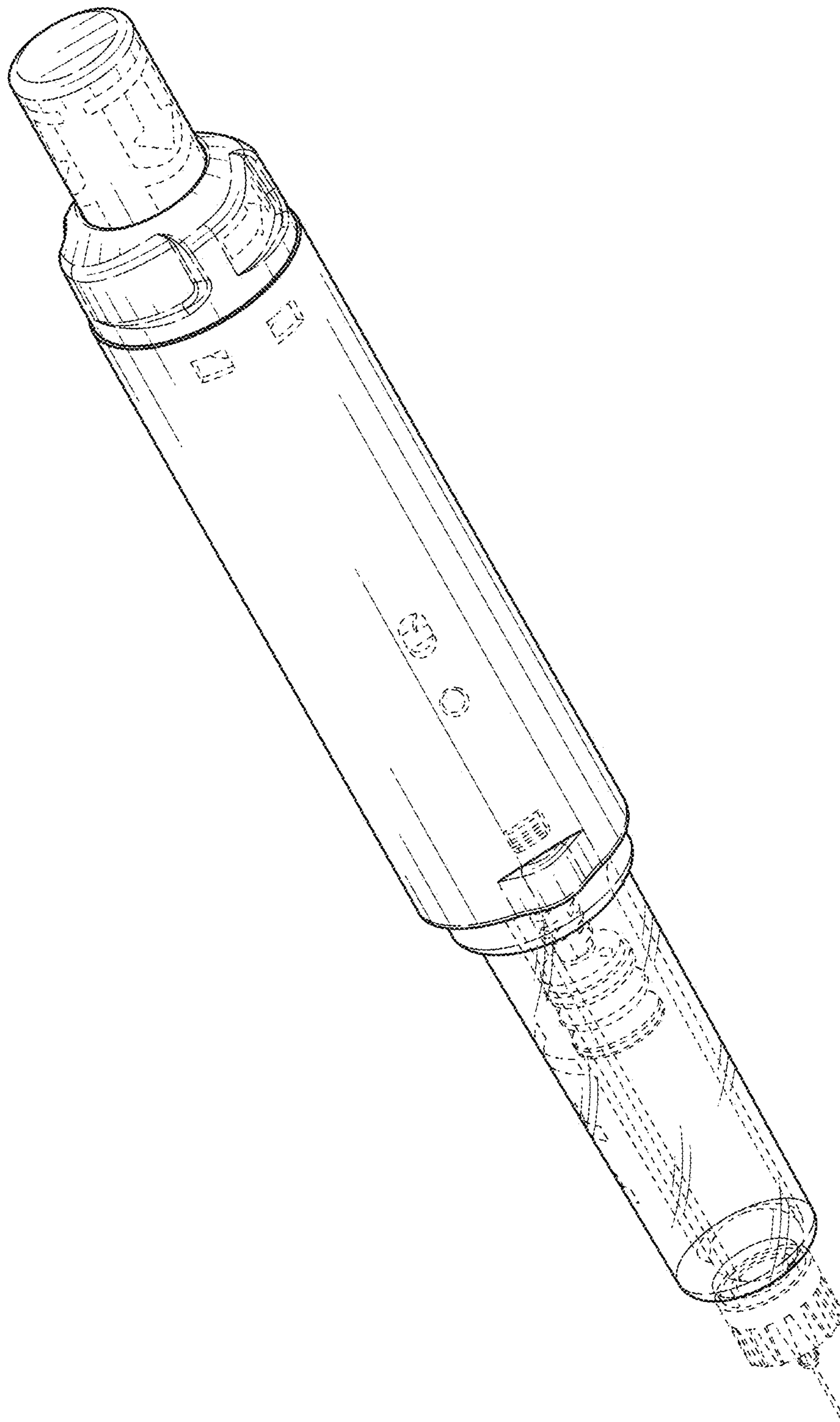


FIG. 7

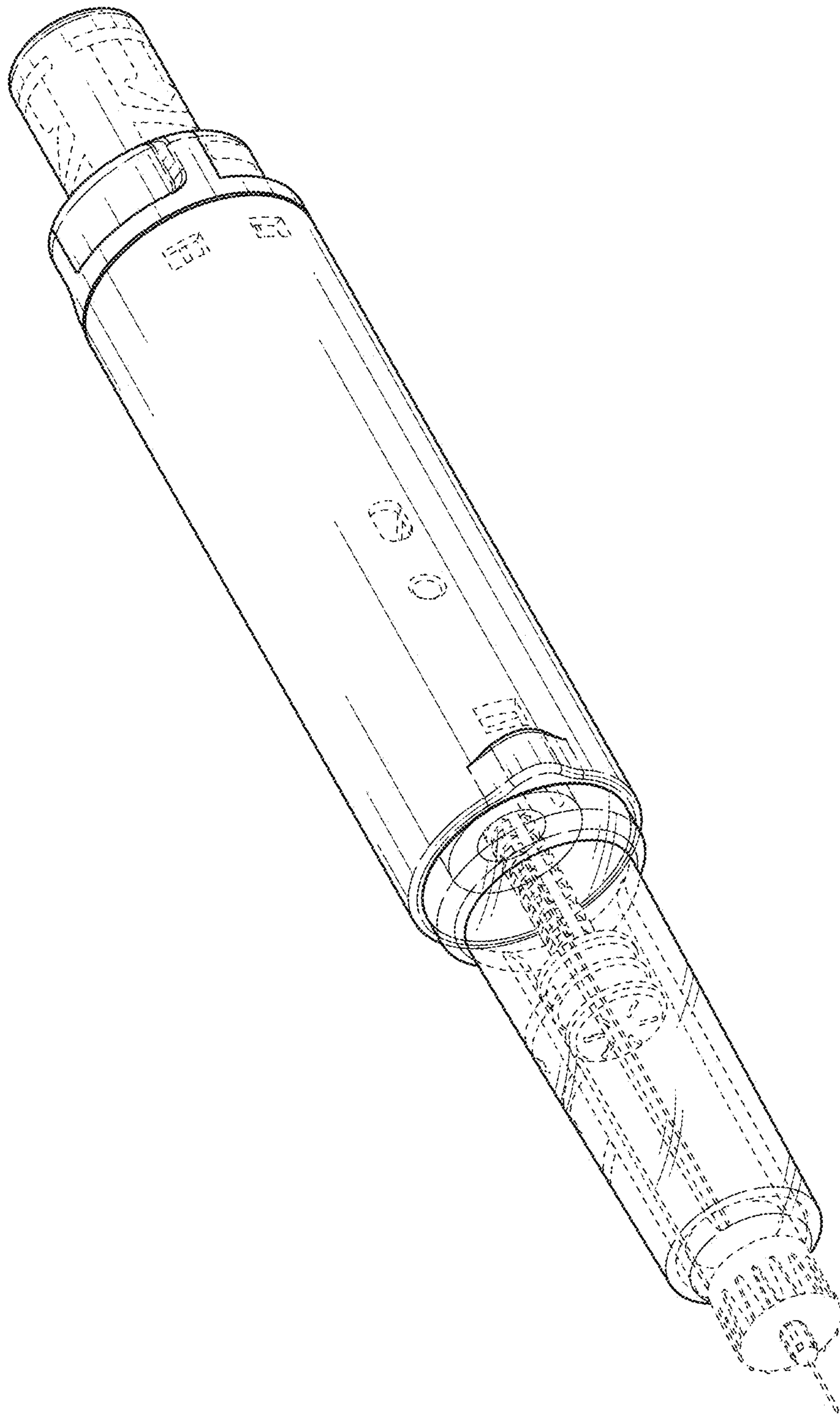


FIG. 8

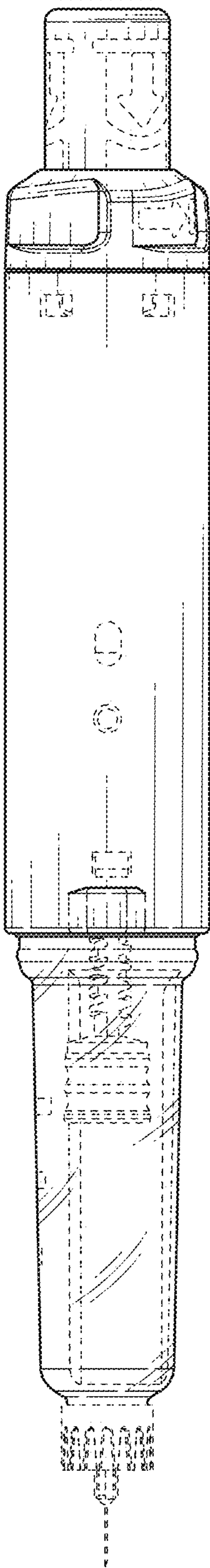


FIG. 9

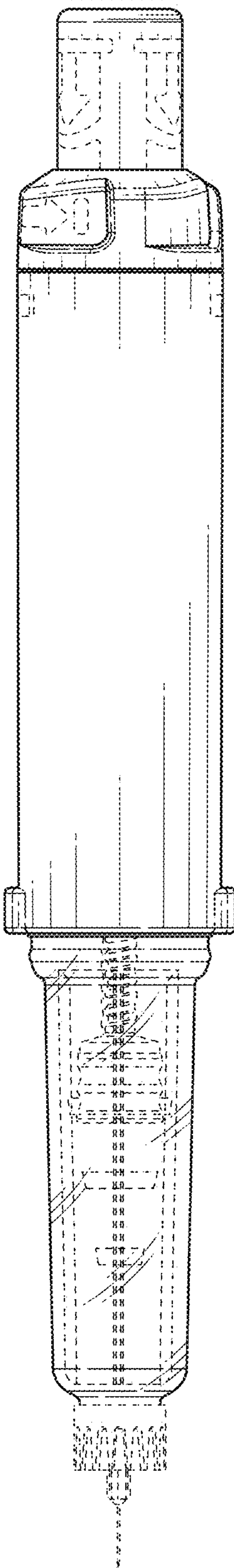


FIG. 10

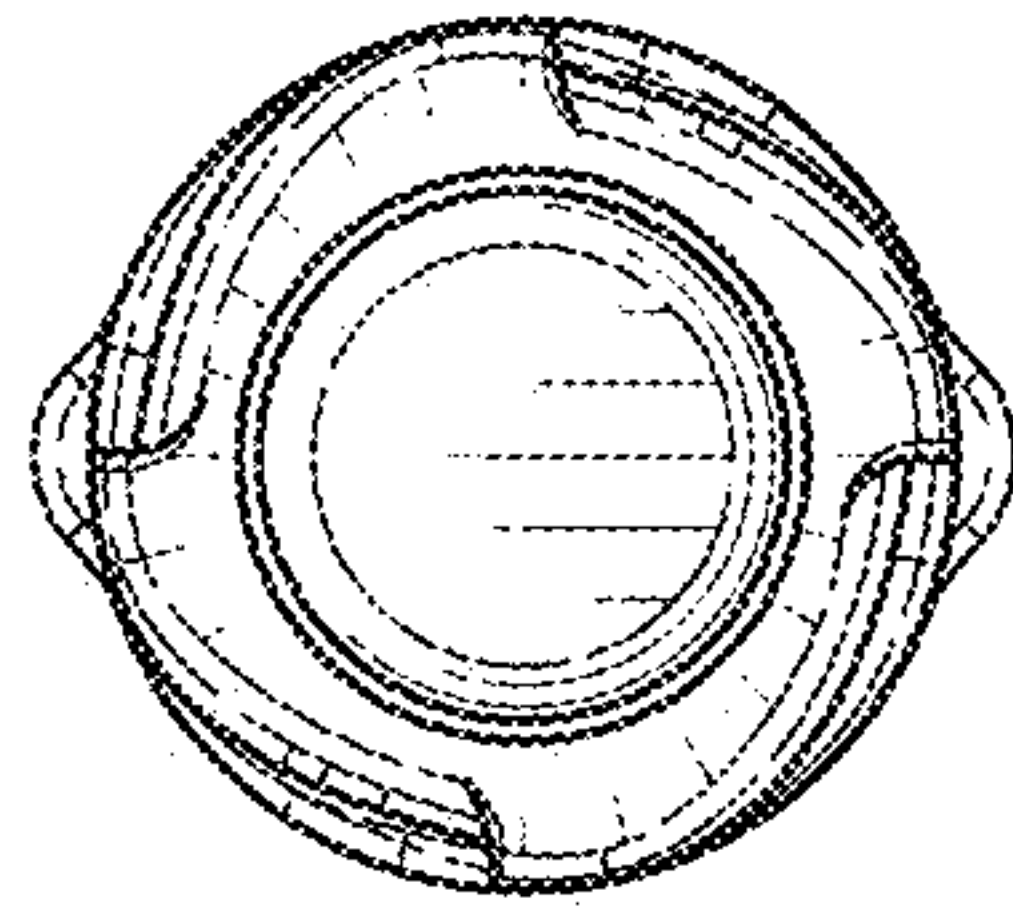


FIG. 11

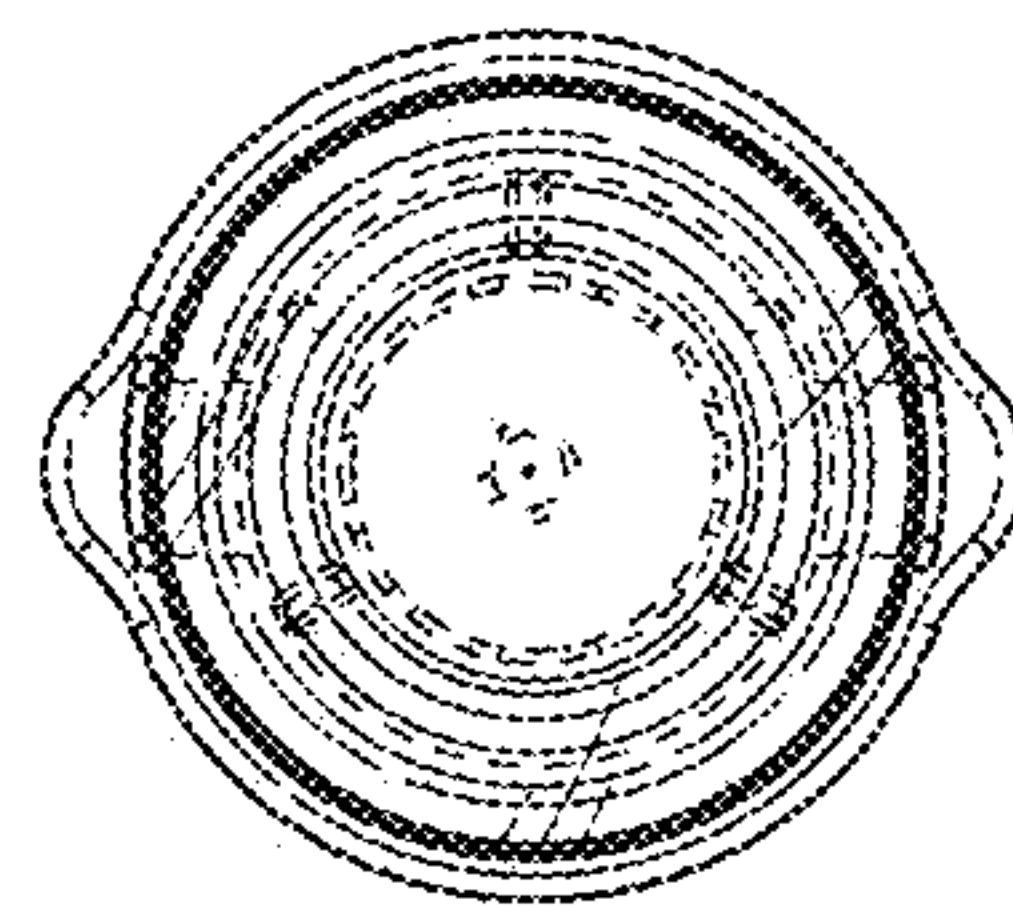


FIG. 12