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Crawford et al.

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(54) **ELECTRICAL ADAPTER FOR NEUROSTIMULATION LEADS**

D590,502 S * 4/2009 Geisser et al. D24/133

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(Continued)

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(**) Term: **14 Years**

(21) Appl. No.: **29/339,471**

(57) **CLAIM**

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The ornamental design for an electrical adapter for neurostimulation leads, as shown and described.

(51) **LOC (9) Cl.** **24-01**

(52) **U.S. Cl.** **D24/186; D24/133**

(58) **Field of Classification Search** D24/133, D24/137–138, 140, 158, 168, 186–187, 232; 600/101, 118, 372–384, 391, 129, 142; D28/9; D8/107; D13/182; 607/62, 109, 121, 129, 607/139

DESCRIPTION

See application file for complete search history.

FIG. 1 depicts a perspective view of an electrical adapter for neurostimulation leads. A lead body and terminal contracts are shown in broken lines extending away from the electrical adapter and the broken lines are provided for environmental purposes and form no part of the claimed design;

(56) **References Cited**

U.S. PATENT DOCUMENTS

D352,780	S	*	11/1994	Glaeser et al.	.....	D24/144
5,468,240	A	*	11/1995	Gentelia et al.	.....	606/42
5,609,573	A	*	3/1997	Sandock	.....	604/22
D380,544	S	*	7/1997	Sandock	.....	D24/133
D391,367	S	*	2/1998	Sandock	.....	D24/108
5,792,139	A	*	8/1998	Chambers et al.	.....	606/41
D462,437	S	*	9/2002	Epstein et al.	.....	D24/108
D474,276	S	*	5/2003	Greise et al.	.....	D24/138
D515,214	S	*	2/2006	Jackson et al.	.....	D24/176
D515,215	S	*	2/2006	Wang	.....	D24/176
D530,818	S	*	10/2006	Lin	.....	D24/138
D536,444	S	*	2/2007	Bacher et al.	.....	D24/133
D536,445	S	*	2/2007	Bacher et al.	.....	D24/133
D536,784	S	*	2/2007	Bacher et al.	.....	D24/133
D536,785	S	*	2/2007	Bacher et al.	.....	D24/133
D537,162	S	*	2/2007	Bacher et al.	.....	D24/133
7,241,294	B2	*	7/2007	Reschke	.....	606/41
D569,508	S	*	5/2008	Bacher et al.	.....	D24/133

FIG. 2 depicts a front view of the electrical adapter;

FIG. 3 depicts a rear view of the electrical adapter;

FIG. 4 depicts a first lateral view of the electrical adapter;

FIG. 5 depicts a second lateral view of the electrical adapter;

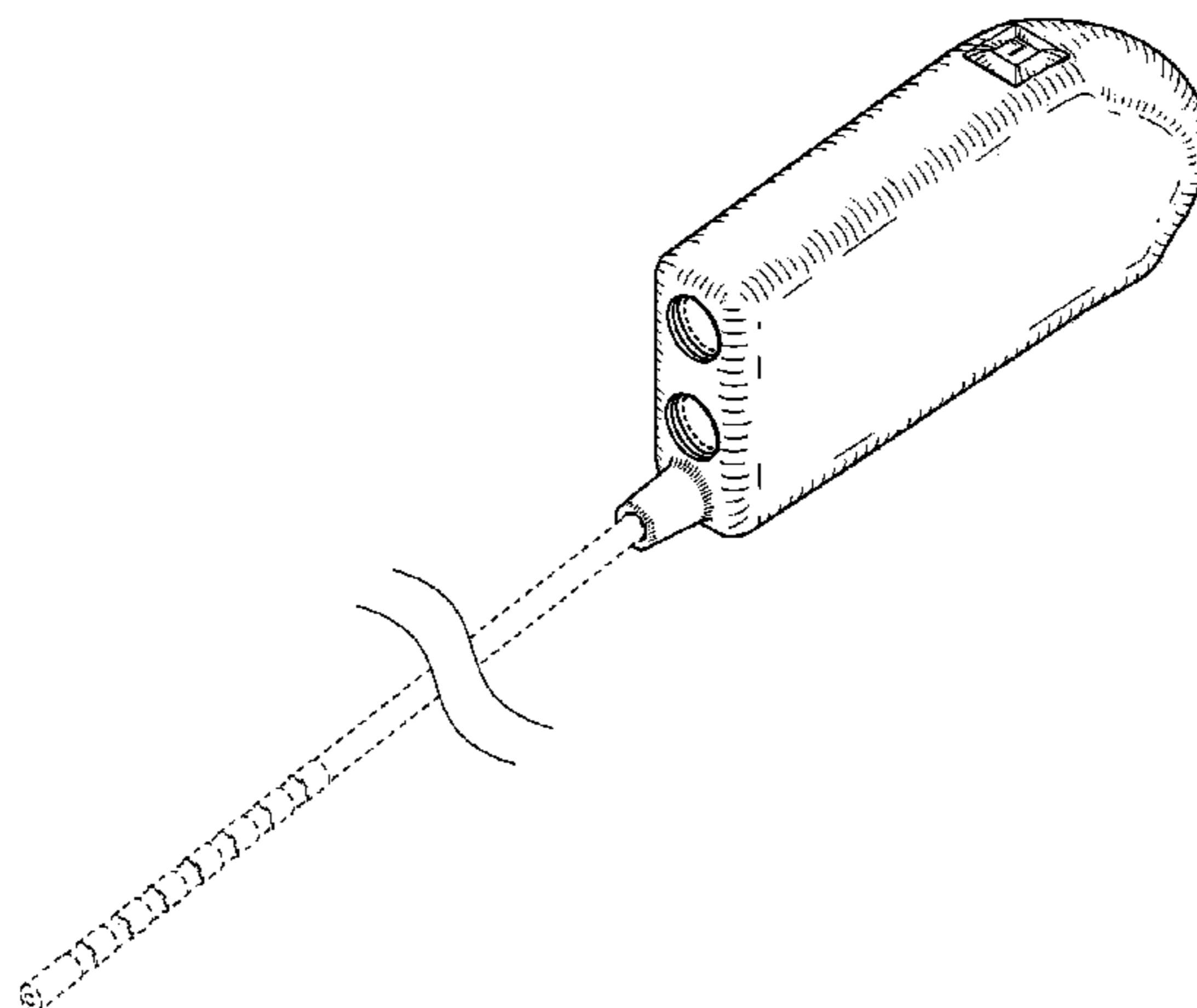
FIG. 6 depicts a top of the electrical adapter; and,

FIG. 7 depicts a bottom view of the electrical adapter.

Although references to the drawings have been made with respect to lateral, top, bottom, rear, and front, it shall be appreciated that the forgoing orientations are used for reference purposes only and the model of the present invention may be disposed in any orientation.

The broken lines shown are included for the purpose of illustrating portions of the electrical adapter for neurostimulation leads that form no part of the claimed design.

1 Claim, 3 Drawing Sheets



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U.S. PATENT DOCUMENTS			2008/0208301 A1	8/2008	Alexander et al.
7,563,141 B2	7/2009	Alexander et al.	2008/0208302 A1	8/2008	Alexander et al.
D607,032 S *	12/2009	Halleck et al.			D24/138
2008/0208267 A1	8/2008	Alexander et al.			* cited by examiner

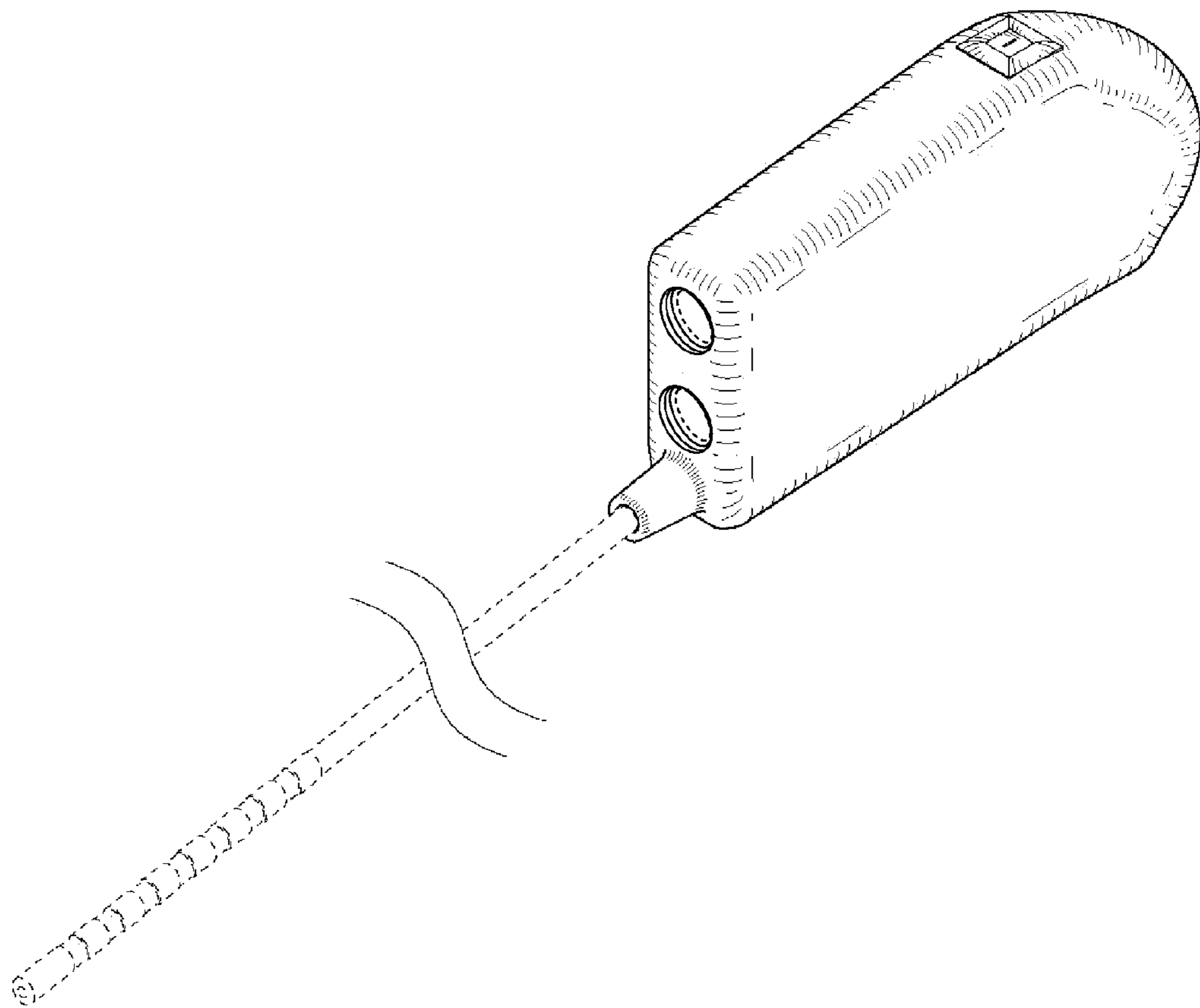


FIG. 1

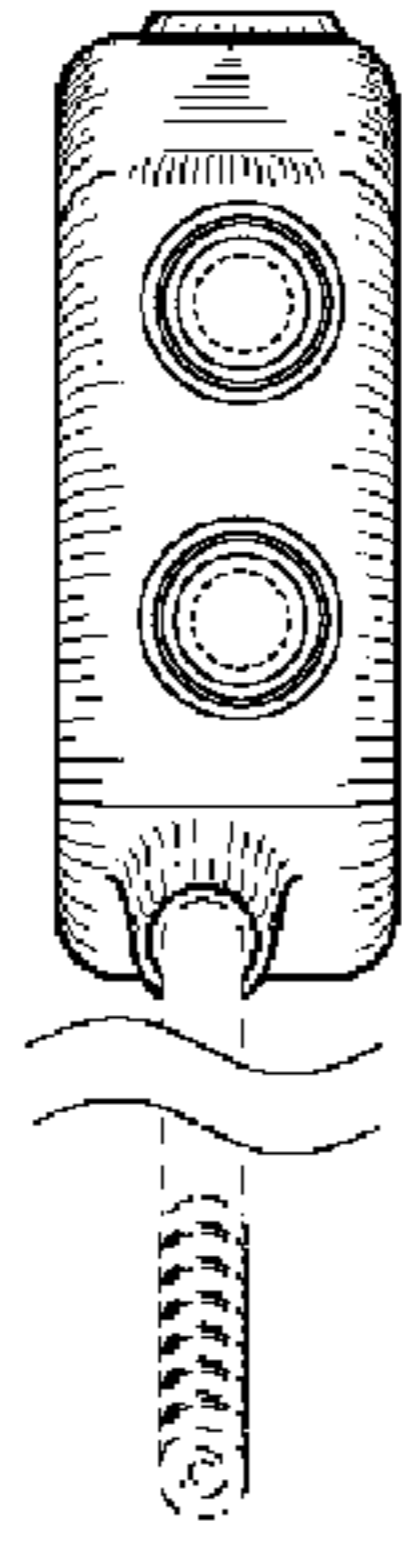


FIG. 2



FIG. 3

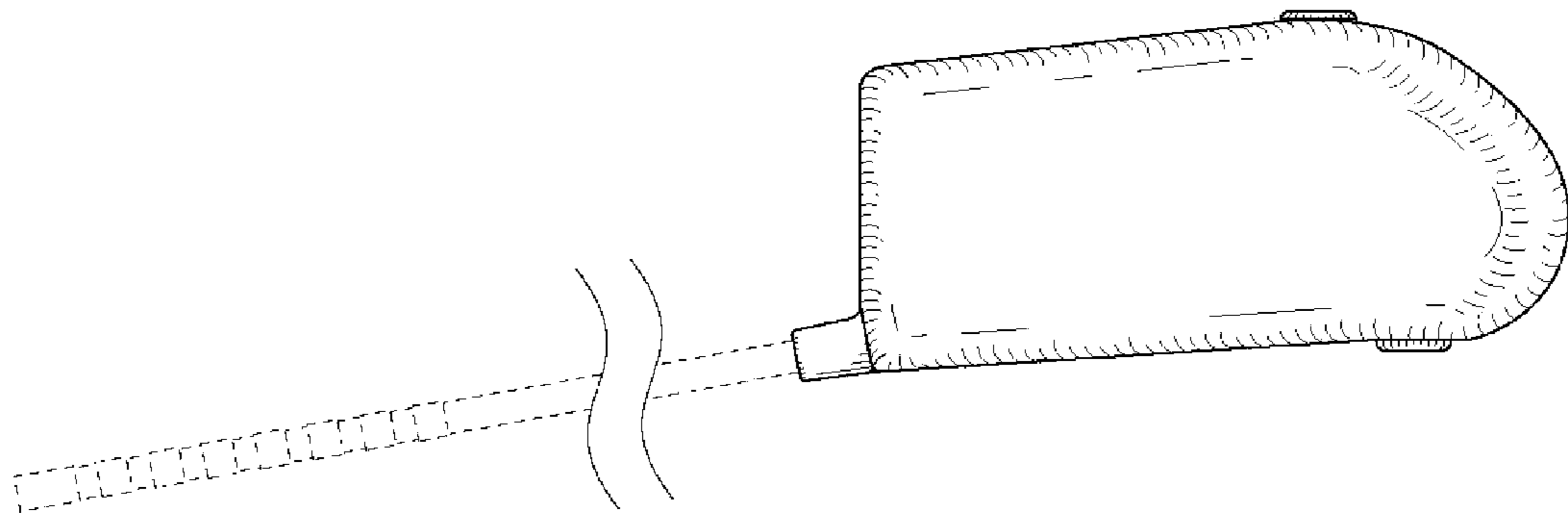


FIG. 4

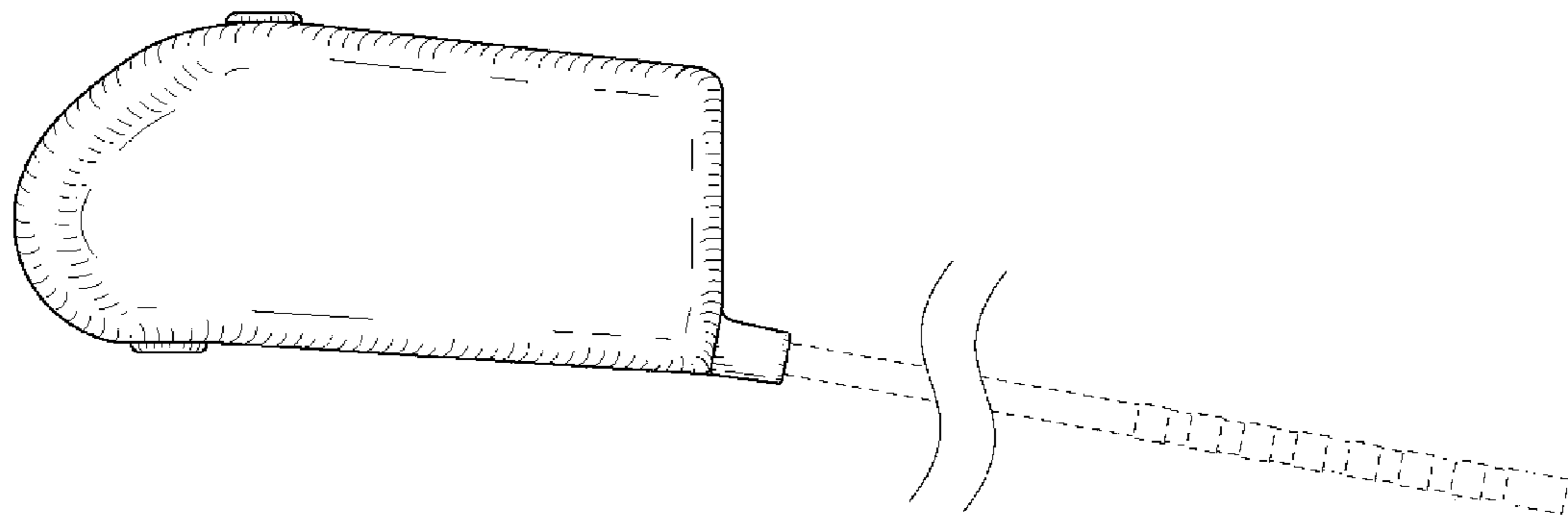


FIG. 5

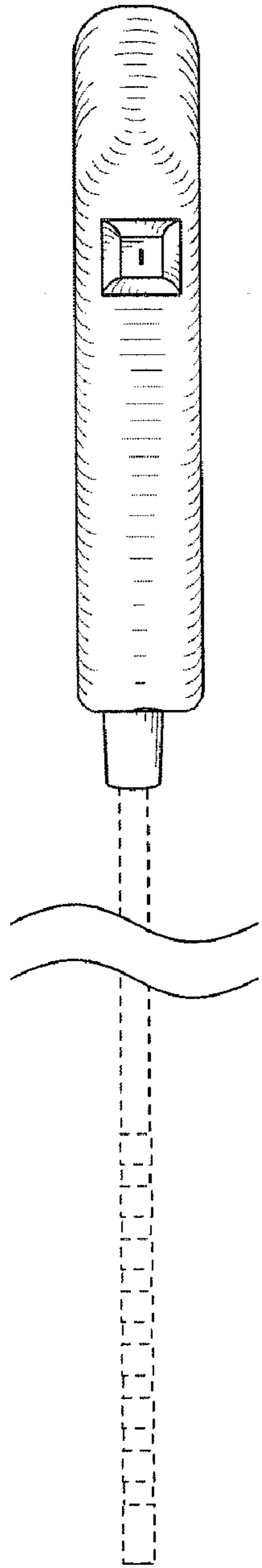


FIG. 6

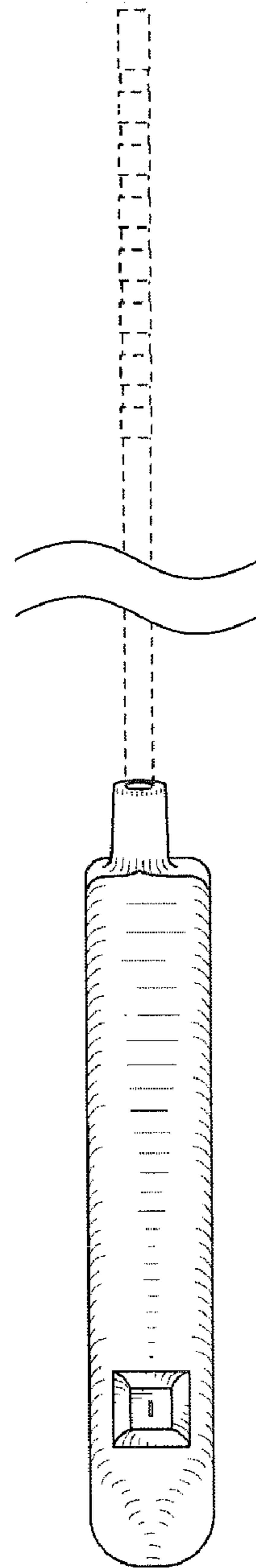


FIG. 7