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

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(54) **INSERTION INSTRUMENT**

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

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

(52) **U.S. Cl.**
USPC **D24/133**

(58) **Field of Classification Search**
USPC D24/108, 112, 127, 133, 141, 143, 147;
606/86 A, 108, 193, 194, 249, 279, 246,
606/914; 623/17.16

See application file for complete search history.

(56) **References Cited**

U.S. PATENT DOCUMENTS

D242,828	S *	12/1976	Lahay	.....	D23/223
D443,058	S *	5/2001	Mulhauser	.....	D24/133
D496,730	S *	9/2004	Morawski	.....	D24/133
D571,010	S *	6/2008	Cote	.....	D24/147
D584,815	S *	1/2009	Goodman	.....	D24/115
D648,434	S *	11/2011	Uyama	.....	D24/143
8,118,872	B2 *	2/2012	Trudeau	.....	A61F 2/4425 606/99
8,128,662	B2	3/2012	Altarac et al.		
8,636,746	B2 *	1/2014	Jimenez	.....	A61F 2/4611 606/105
D733,289	S *	6/2015	Blanchard	.....	D24/112
D740,410	S *	10/2015	Korkuch	.....	D24/112
9,220,542	B2 *	12/2015	Kerboul	.....	A61F 2/4611
2006/0095106	A1 *	5/2006	Maxfield	.....	A61N 1/05 607/122
2008/0091211	A1	4/2008	Gately		
2008/0243250	A1	10/2008	Seifert et al.		
2009/0222043	A1 *	9/2009	Altarac	.....	A61B 17/7065 606/249

2010/0234889	A1	9/2010	Hess		
2012/0109205	A1 *	5/2012	Mitchell	.....	A61B 17/7068 606/249
2013/0006365	A1	1/2013	Pepper et al.		
2014/0018923	A1 *	1/2014	Lee	.....	A61B 17/025 623/17.16

(Continued)

OTHER PUBLICATIONS

International Preliminary Report on Patentability for PCT/US2014/039951, dated Dec. 1, 2015.

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(57) **CLAIM**

The ornamental design for an insertion instrument, as shown and described.

DESCRIPTION

FIG. 1 is a front perspective view of an insertion instrument according to the present disclosure.

FIG. 2 is a rear perspective view of the insertion instrument according to the present disclosure.

FIG. 3 is a top view of the insertion instrument according to the present disclosure.

FIG. 4 is a bottom view of the insertion instrument according to the present disclosure.

FIG. 5 is a front view of the insertion instrument according to the present disclosure.

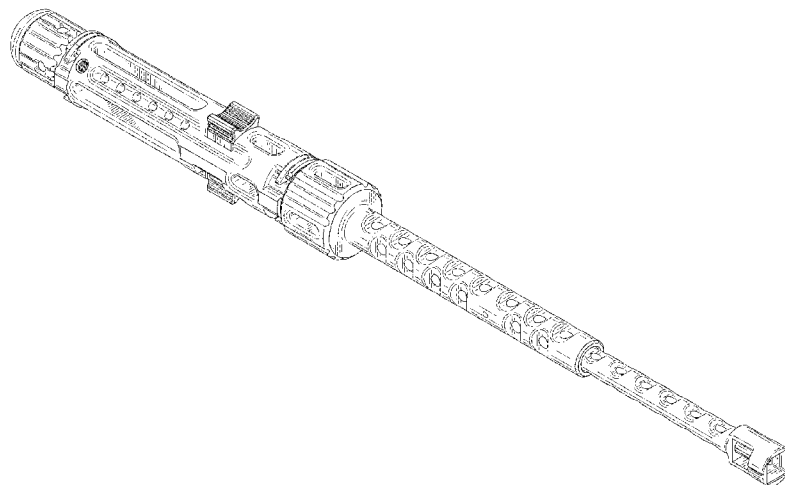
FIG. 6 is a back view of the insertion instrument according to the present disclosure.

FIG. 7 is a right view of the insertion instrument according to the present disclosure; and,

FIG. 8 is a left side view of the insertion instrument according to the present disclosure.

The broken line areas of FIG. 1-7 are showing portions of the insertion instrument that form no part of the claimed design.

1 Claim, 5 Drawing Sheets



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(56)

References Cited

U.S. PATENT DOCUMENTS

2014/0142642	A1 *	5/2014	Wallenstein	A61F 2/4465 606/86 A	2015/0201987	A1 *	7/2015	Lemoine	A61B 17/7082 606/104
2014/0358186	A1 *	12/2014	Frock	A61B 17/8891 606/86 A	2015/0238327	A1 *	8/2015	Cheng	A61F 2/4611 623/17.16
2015/0157362	A1 *	6/2015	Foley	A61B 17/1757 606/246	2015/0257798	A1 *	9/2015	Biedermann	A61B 17/7076 606/86 A
					2015/0342755	A1 *	12/2015	Milz	A61F 2/4603 623/17.16

* cited by examiner

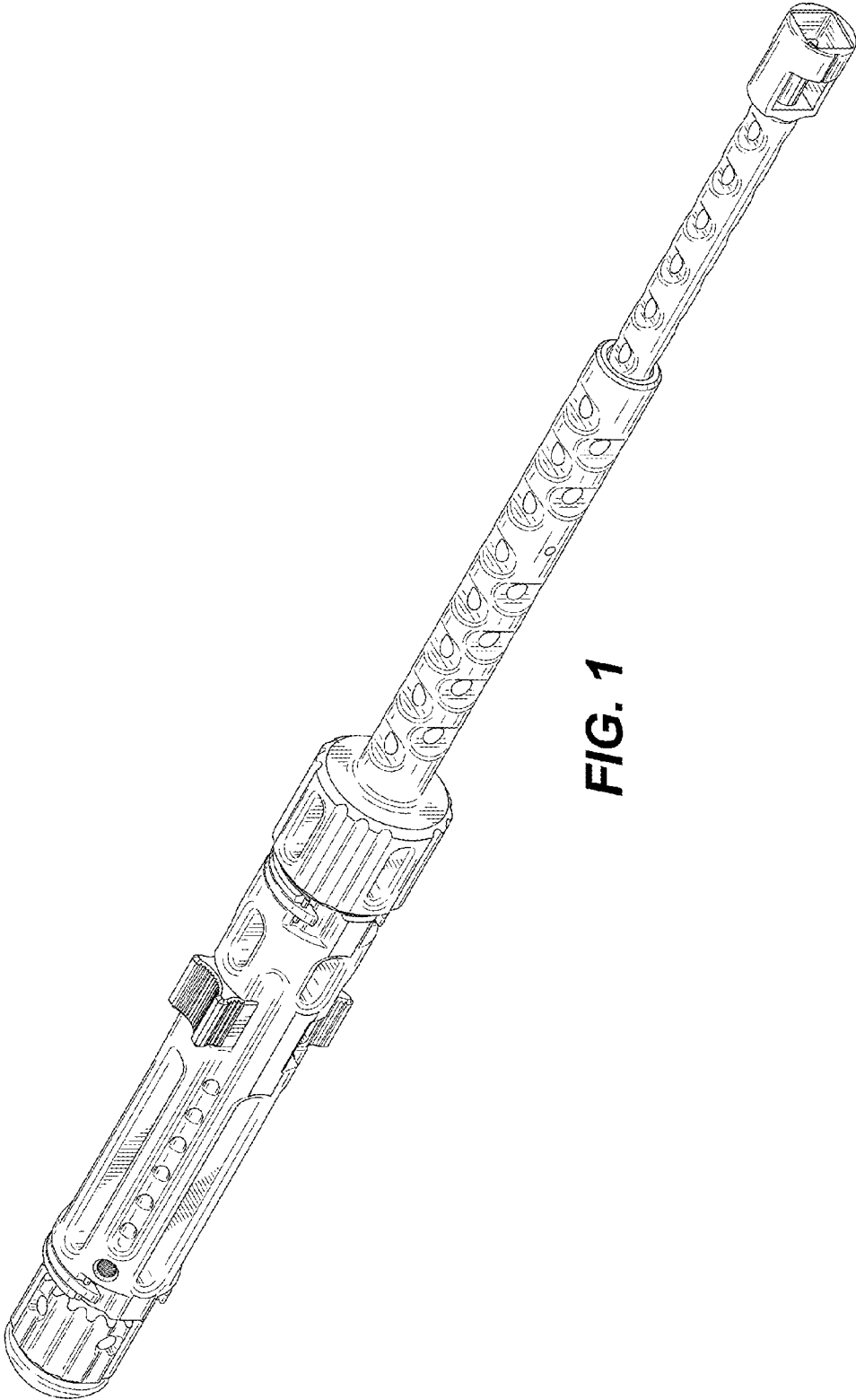


FIG. 1

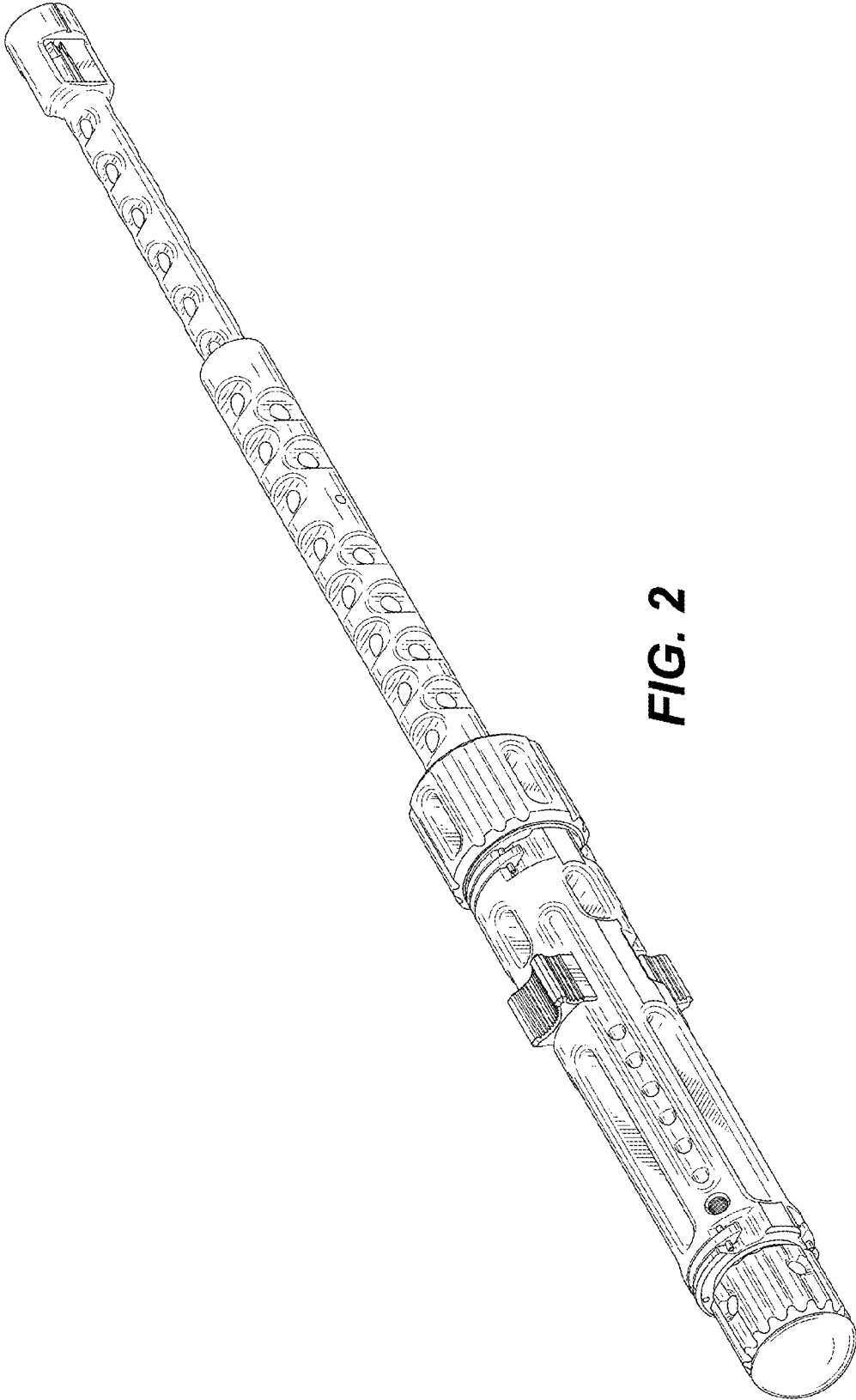


FIG. 2

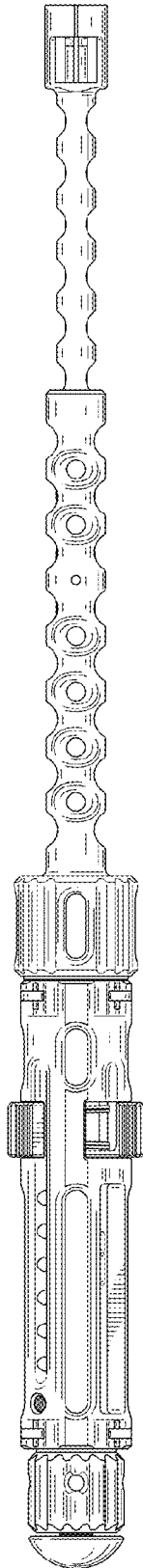


FIG. 3

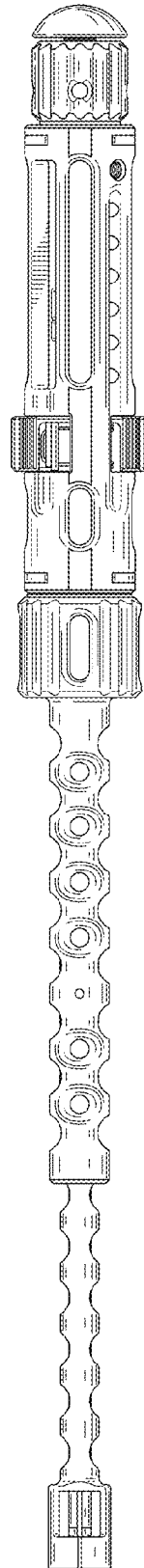


FIG. 4

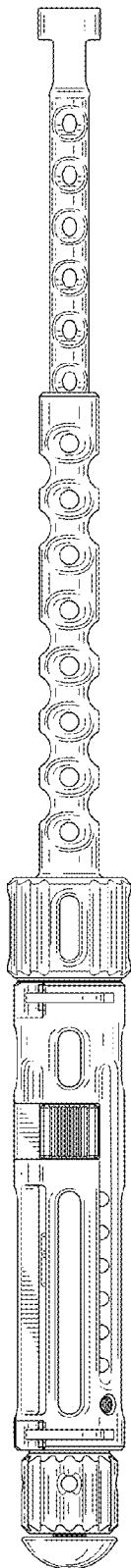


FIG. 5

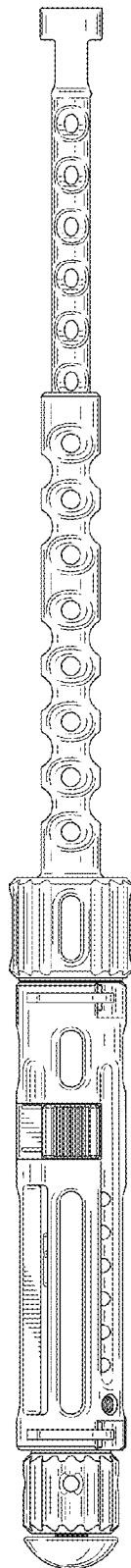


FIG. 6

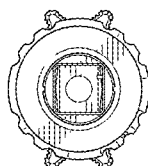


FIG. 7

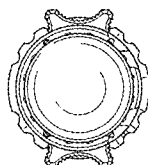


FIG. 8