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(12) **United States Design Patent** (10) **Patent No.:** **US D771,810 S**
Kirwan, Jr. et al. (45) **Date of Patent:** **** Nov. 15, 2016**

(54) **ELECTROSURGICAL FORCEPS**

FOREIGN PATENT DOCUMENTS

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EP 0 159 453 4/1984
EP 2 398 406 4/2013

(Continued)

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OTHER PUBLICATIONS

C-Flex brochure, 2013, available at <http://www.biopharm.saint-gobain.com/en/Products.asp?ID=17>, accessed Apr. 22, 2015.

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

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(57) **CLAIM**

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

The ornamental design for electrosurgical forceps, as shown
and described.

(52) **U.S. Cl.**

USPC **D24/143**

(58) **Field of Classification Search**

USPC D24/143, 146

CPC A61B 17/28; A61B 17/29; A61B 17/30;
A61B 18/1442; A61B 18/1445

See application file for complete search history.

DESCRIPTION

FIG. 1 is a perspective view of an embodiment of electro-
surgical forceps.

FIG. 2 is a top plan view of the electrosurgical forceps of
FIG. 1.

FIG. 3 is a bottom plan view of the electrosurgical forceps
of FIG. 1.

FIG. 4 is a right side elevation view of the electrosurgical
forceps of FIG. 1.

FIG. 5 is a left side elevation view of the electrosurgical
forceps of FIG. 1.

FIG. 6 is a distal end elevation view of the electrosurgical
forceps of FIG. 1.

FIG. 7 is a proximal end elevation view of the electrosur-
gical forceps of FIG. 1.

FIG. 8 is a top plan view of a variant of the electrosurgical
forceps of FIG. 1 having a shorter blade length; and,

FIG. 9 is a top plan view of a variant of the electrosurgical
forceps of FIG. 1 having a longer blade length.

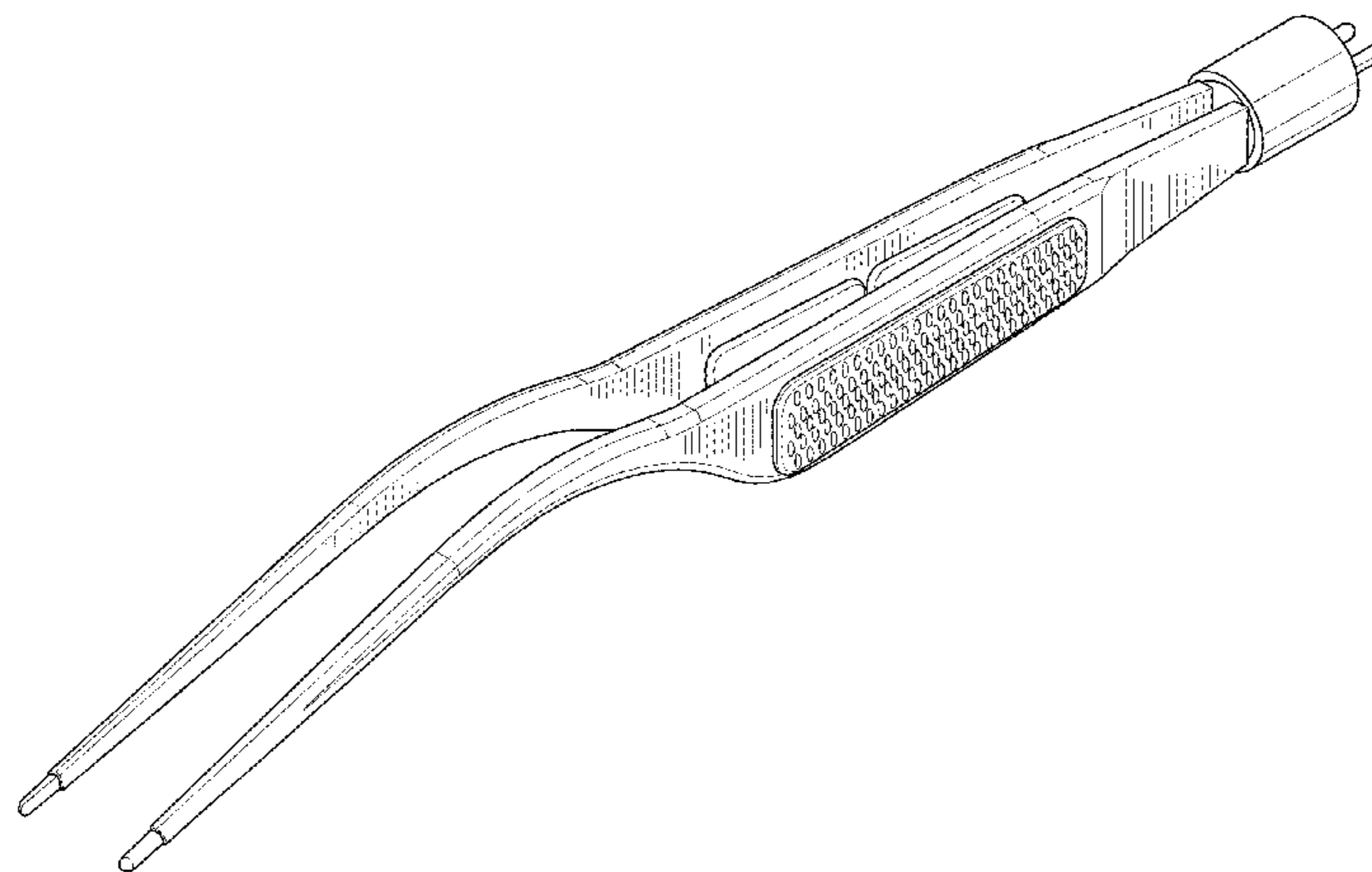
(56) **References Cited**

U.S. PATENT DOCUMENTS

| | | | |
|----------------|--------|--------------|------------------------|
| 4,147,443 A | 4/1979 | Skobel | |
| 4,461,297 A * | 7/1984 | Sutter | A61B 17/30 294/99.2 |
| 4,727,876 A | 3/1988 | Porat et al. | |
| 5,047,049 A | 9/1991 | Salai | |
| 5,108,392 A * | 4/1992 | Spingler | A61B 17/30 294/99.2 |
| 5,147,368 A | 9/1992 | Brown | |
| 5,746,739 A * | 5/1998 | Sutter | A61B 18/1442 606/50 |
| 6,174,321 B1 | 1/2001 | Webb | |
| 6,228,084 B1 * | 5/2001 | Kirwan, Jr. | A61B 18/1442 606/51 |
| 6,866,314 B2 | 3/2005 | Cho | |
| D559,984 S * | 1/2008 | Scheller | D24/143 |

(Continued)

1 Claim, 4 Drawing Sheets



(56)

References Cited

U.S. PATENT DOCUMENTS

7,513,897 B2 * 4/2009 Sutter A61B 17/30
606/210
7,682,372 B2 3/2010 Peterson
7,789,882 B2 * 9/2010 Ariola, Jr. A61B 18/1442
606/50
7,867,230 B2 * 1/2011 Asahara A61B 18/1442
606/51
8,657,851 B2 2/2014 Aufaure et al.
D707,816 S * 6/2014 Lamontagne D24/143
D707,817 S * 6/2014 Schallert D24/143
9,320,562 B2 * 4/2016 Kienzle A61B 17/30
2002/0106609 A1 8/2002 Palermo et al.
2009/0012519 A1 * 1/2009 Manrique A61B 18/1442
606/51
2009/0054925 A1 2/2009 Cho

2010/0049243 A1 2/2010 Luh
2011/0143112 A1 6/2011 Cai et al.
2012/0004685 A1 * 1/2012 Kienzle A61B 17/30
606/205
2012/0209316 A1 8/2012 Tarlton et al.
2012/0253364 A1 10/2012 Perin
2013/0247333 A1 9/2013 Bender et al.
2015/0005768 A1 * 1/2015 Sutherland A61B 18/1442
606/42
2015/0282871 A1 * 10/2015 Wang A61B 18/1442
606/52

FOREIGN PATENT DOCUMENTS

WO WO 99/55241 11/1999
WO WO 2004/000143 12/2003

* cited by examiner

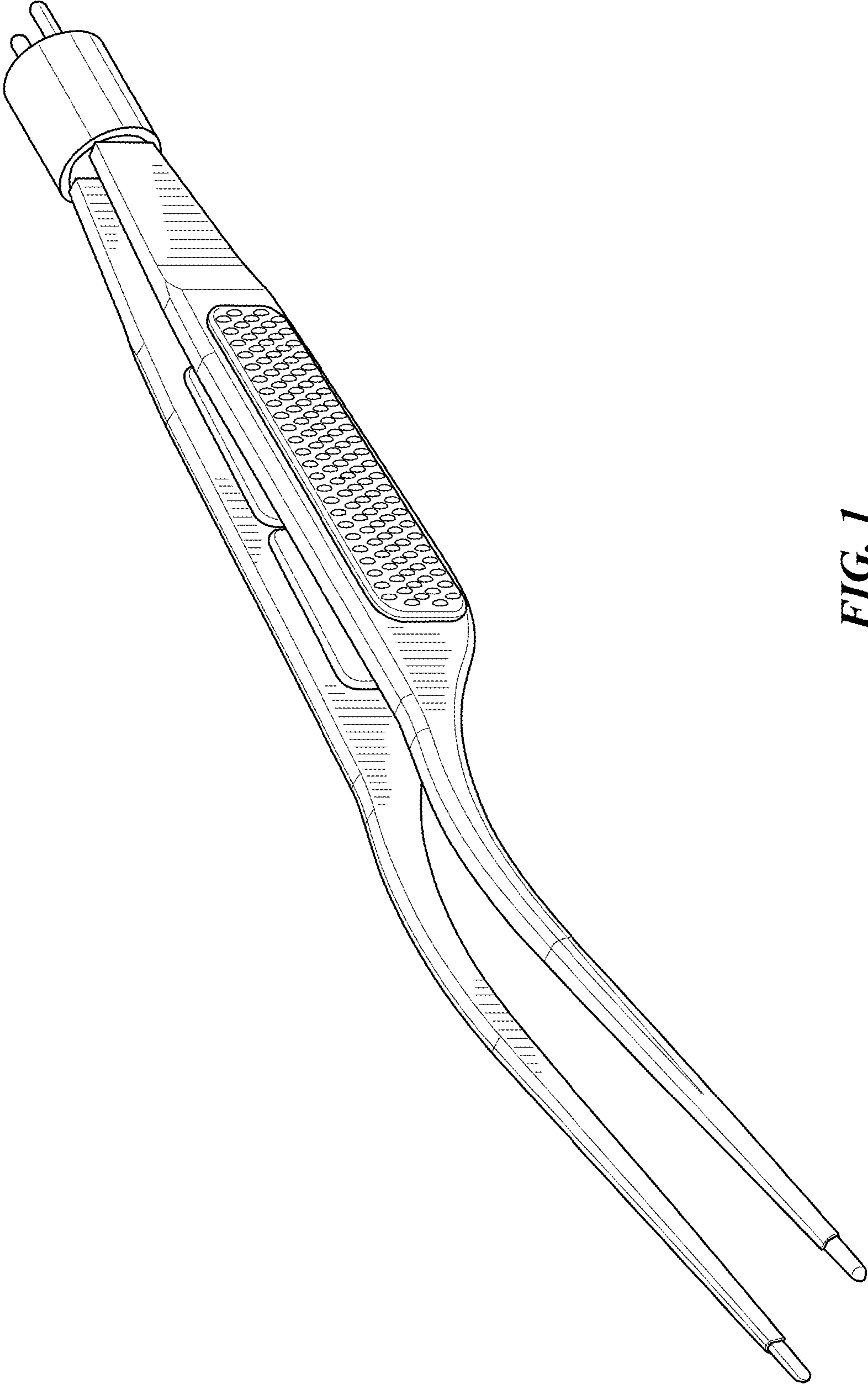


FIG. 1

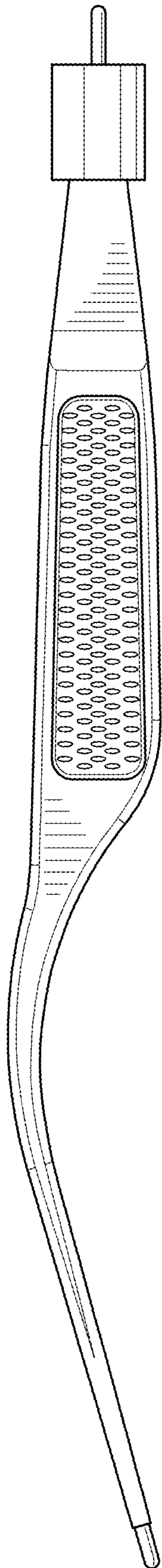


FIG. 2

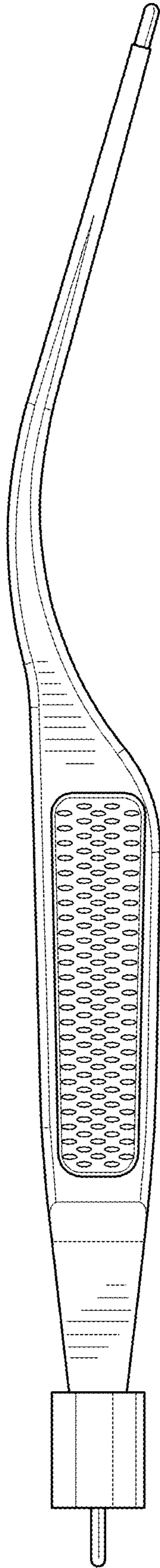


FIG. 3

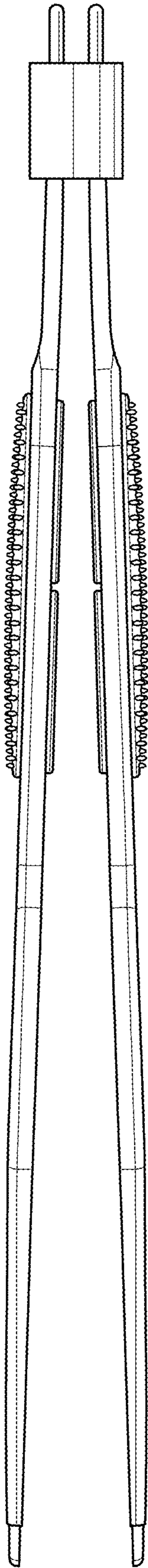


FIG. 4

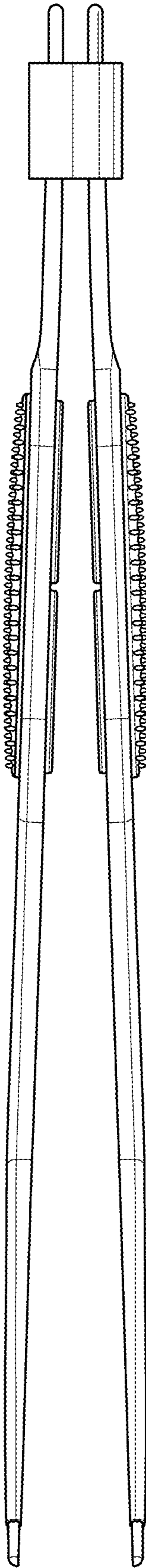


FIG. 5

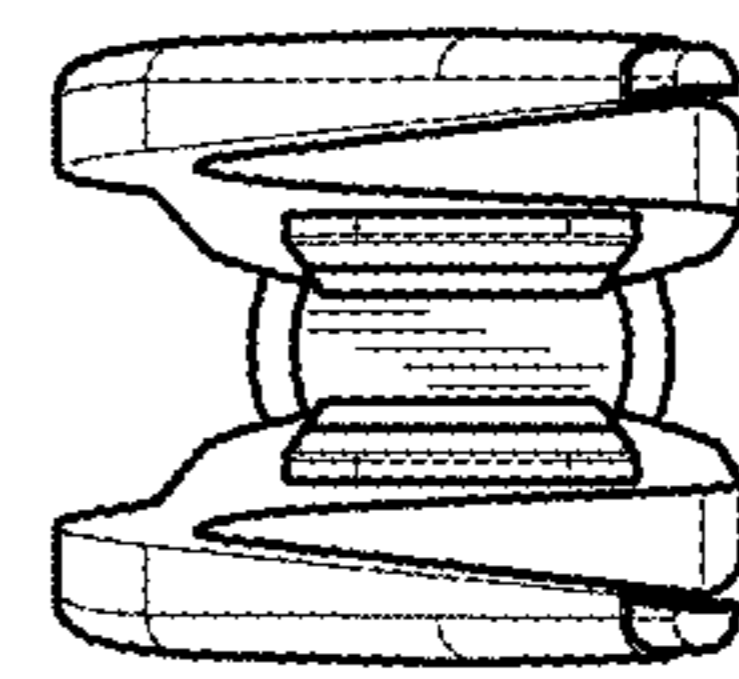


FIG. 6

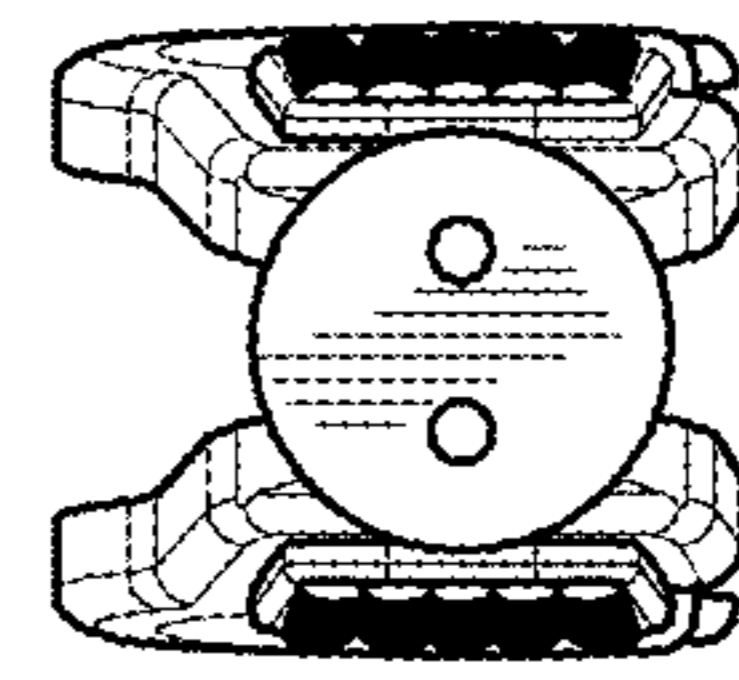


FIG. 7

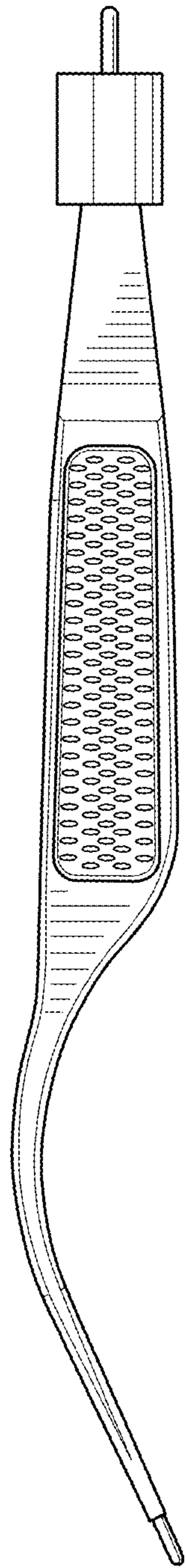


FIG. 8

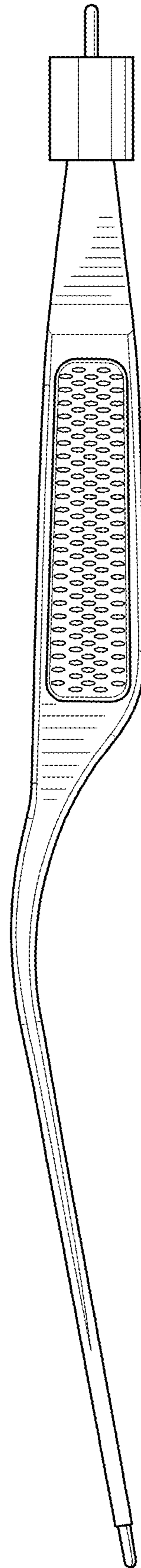


FIG. 9