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(12) **United States Design Patent** (10) **Patent No.:** **US D1,099,661 S**
Hoppe et al. (45) **Date of Patent:** **** Oct. 28, 2025**

(54) **PLIERS**

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

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Related U.S. Application Data

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May 6, 2021, which is a continuation of application
No. 15/089,025, filed on Apr. 1, 2016, now Pat. No.
11,027,399.

(51) **LOC (15) Cl.** **08-05**

(52) **U.S. Cl.**
USPC **D8/55**
CPC **B25B 7/22** (2013.01); **B25B 7/02**
(2013.01); **B25B 7/14** (2013.01); **B25F 1/003**
(2013.01); **H02G 1/1214** (2013.01)

(58) **Field of Classification Search**

USPC D8/51, 52, 54, 55, 56, 58, 107
CPC B25F 1/003; H02G 1/1207
See application file for complete search history.

(56) **References Cited**

U.S. PATENT DOCUMENTS

1,955,593 A 4/1934 O'Russa
1,963,144 A 6/1934 O'Russa

2,423,805 A 7/1947 Wendt
2,544,197 A 3/1951 Vosbikian et al.
2,690,010 A 9/1954 Keller
2,746,145 A 5/1956 Klein, Jr. et al.
2,848,724 A 8/1958 Wendt
2,848,810 A 8/1958 Wendt
2,903,790 A 9/1959 Klein, Jr.
2,938,266 A 5/1960 Klein, Jr.
3,461,555 A 8/1969 Bliznak
3,834,026 A 9/1974 Klein
3,947,905 A 4/1976 Neff

(Continued)

FOREIGN PATENT DOCUMENTS

CA 594408 3/1960
CA 601676 7/1960

(Continued)

OTHER PUBLICATIONS

Translation of WO2012159982A1 (Year: 2012).

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(57)

CLAIM

The ornamental design for pliers as shown and described.

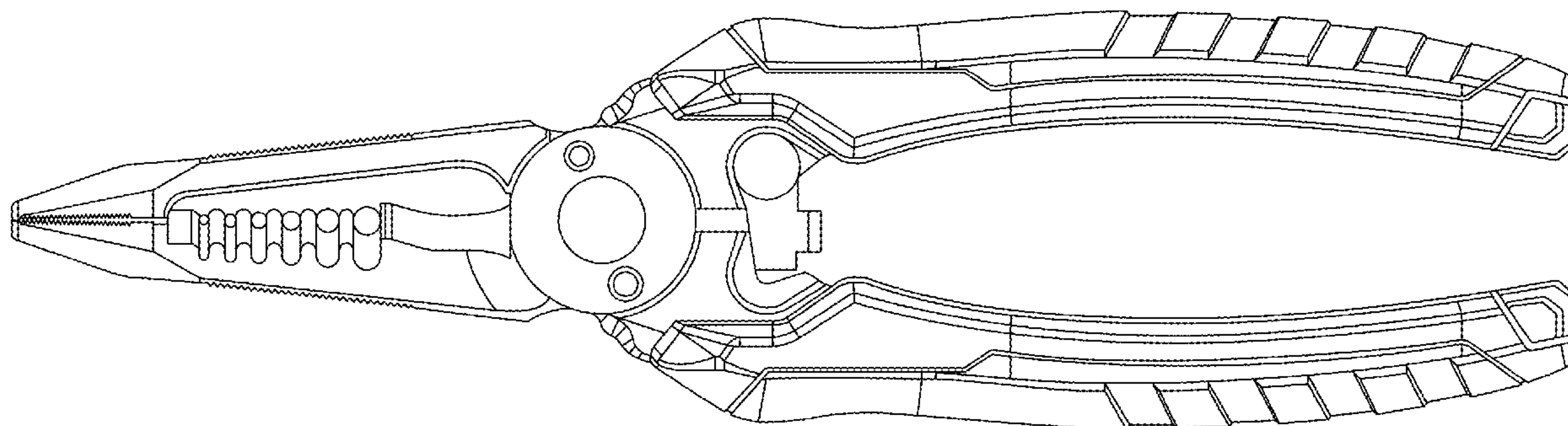
DESCRIPTION

FIG. 1 is a perspective view of an embodiment of the
claimed design;

FIG. 2 is a right side view of the claimed design of FIG. 1;
FIG. 3 is a left side view of the claimed design of FIG. 1;
FIG. 4 is a rear view of the claimed design of FIG. 1;
FIG. 5 is a front view of the claimed design of FIG. 1; and,
FIG. 6 is a top view of the claimed design of FIG. 1.

The ornamental design which is claimed is shown in solid
lines in the drawings.

1 Claim, 5 Drawing Sheets



(56)

References Cited

U.S. PATENT DOCUMENTS

4,621,401 A 11/1986 Anderson
4,625,379 A 12/1986 Anderson
4,709,601 A 12/1987 Petersen
4,872,551 A 10/1989 Theros
5,050,465 A 9/1991 Haugs
5,179,783 A 1/1993 Melter
5,341,707 A 8/1994 Bond
5,377,412 A 1/1995 Schofield et al.
5,421,224 A 6/1995 Bond
5,535,519 A 7/1996 Brimmer
6,202,517 B1 3/2001 Dolan
6,301,787 B2 10/2001 Mock
6,324,712 B1 12/2001 Elsener, Sr.
6,446,344 B1 9/2002 Gontar
6,473,925 B1 11/2002 Konen
6,574,870 B1 6/2003 Huang
6,684,439 B2 2/2004 Jeske et al.
7,353,736 B2 4/2008 Pochlmann
7,404,822 B2 7/2008 Viart et al.
7,669,505 B2 3/2010 Campbell et al.
7,861,622 B2 1/2011 Chervenak et al.
7,921,752 B2 4/2011 Poehlmann
8,056,451 B2 11/2011 Chervenak et al.
8,316,549 B2 11/2012 Musser
D688,927 S 9/2013 Wong
8,667,874 B2 3/2014 Steele et al.

8,713,805 B2 5/2014 Schneider et al.
D911,144 S * 2/2021 Panosian D8/107
11,027,399 B2 * 6/2021 Hoppe B25B 7/22
D978,648 S * 2/2023 Tang D8/52
D1,028,658 S * 5/2024 Brinson D8/55
12,311,514 B2 * 5/2025 Blumenthal B25B 7/02
2003/0041702 A1 3/2003 Kang
2005/0044715 A1 3/2005 Shutts et al.
2007/0144015 A1 6/2007 Peterson et al.
2008/0022533 A1 1/2008 Zeller et al.
2010/0000140 A1 1/2010 Nien
2011/0167642 A1 7/2011 Steele et al.
2012/0102752 A1 5/2012 Steele et al.
2013/0097786 A1 4/2013 Hardinge et al.
2014/0060264 A1 3/2014 Steele et al.
2016/0294168 A1 * 10/2016 Hoppe B25B 7/14
2017/0001319 A1 1/2017 Wang
2021/0252672 A1 * 8/2021 Hoppe B25B 7/14

FOREIGN PATENT DOCUMENTS

CA 637281 2/1962
CA 532760 11/1986
CN 204149050 2/2015
WO WO2009063014 5/2009
WO WO2010086170 2/2010
WO WO2012159982 11/2012

* cited by examiner

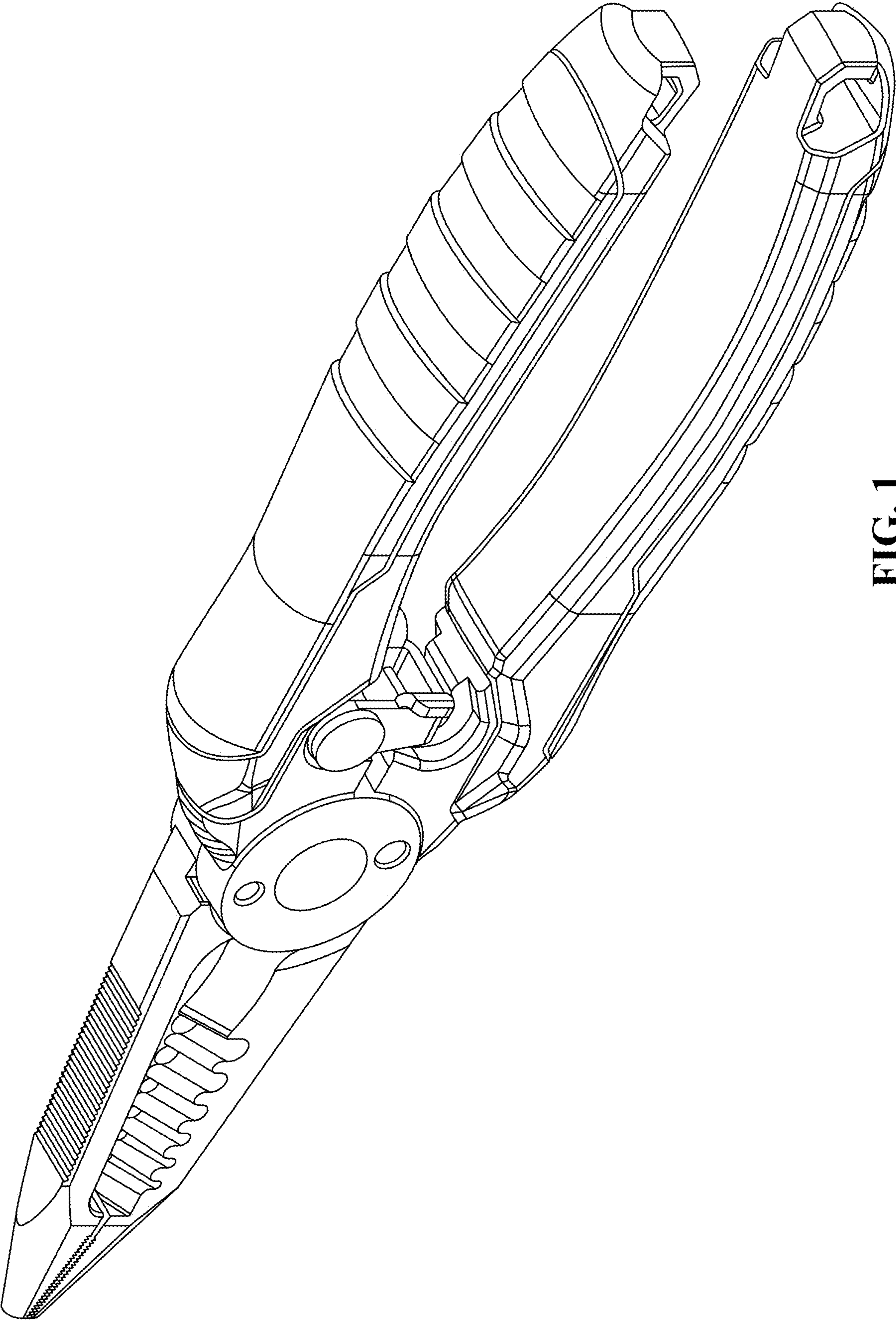


FIG. 1

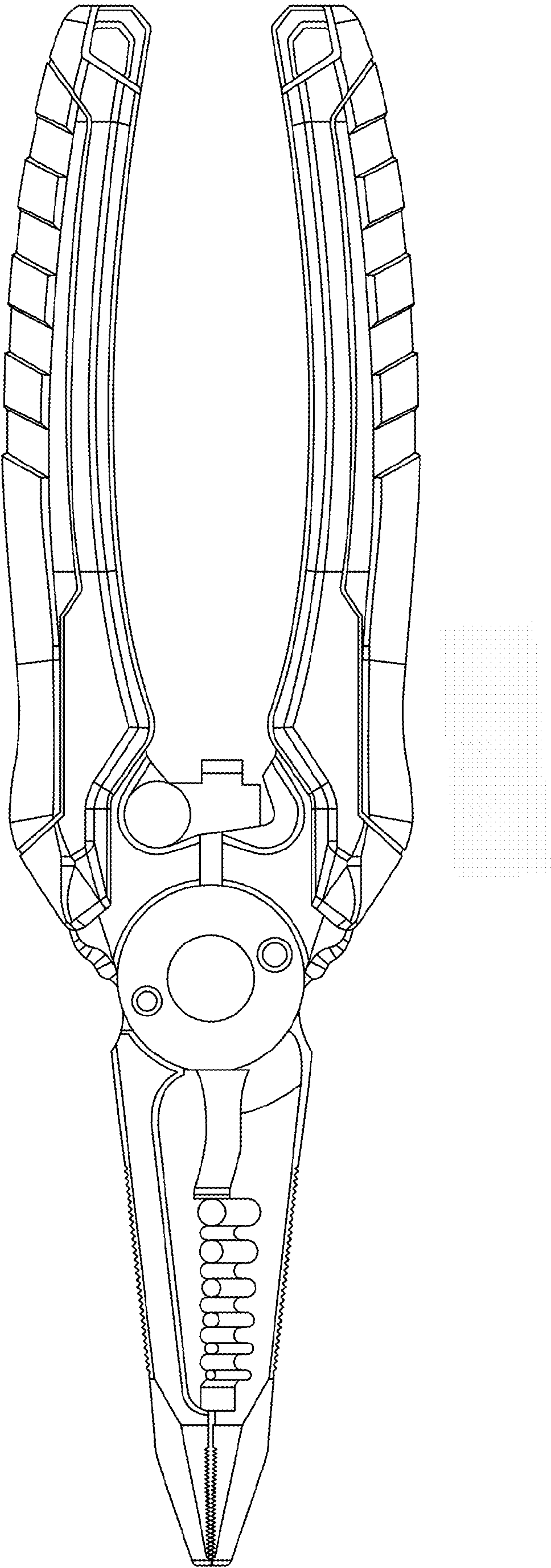


FIG. 2

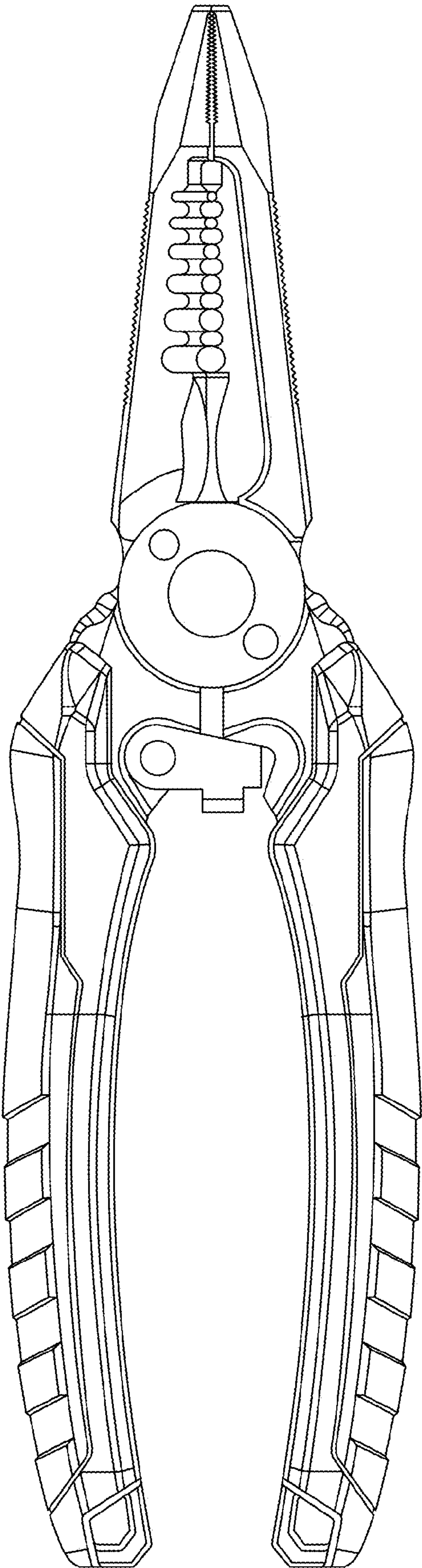


FIG. 3

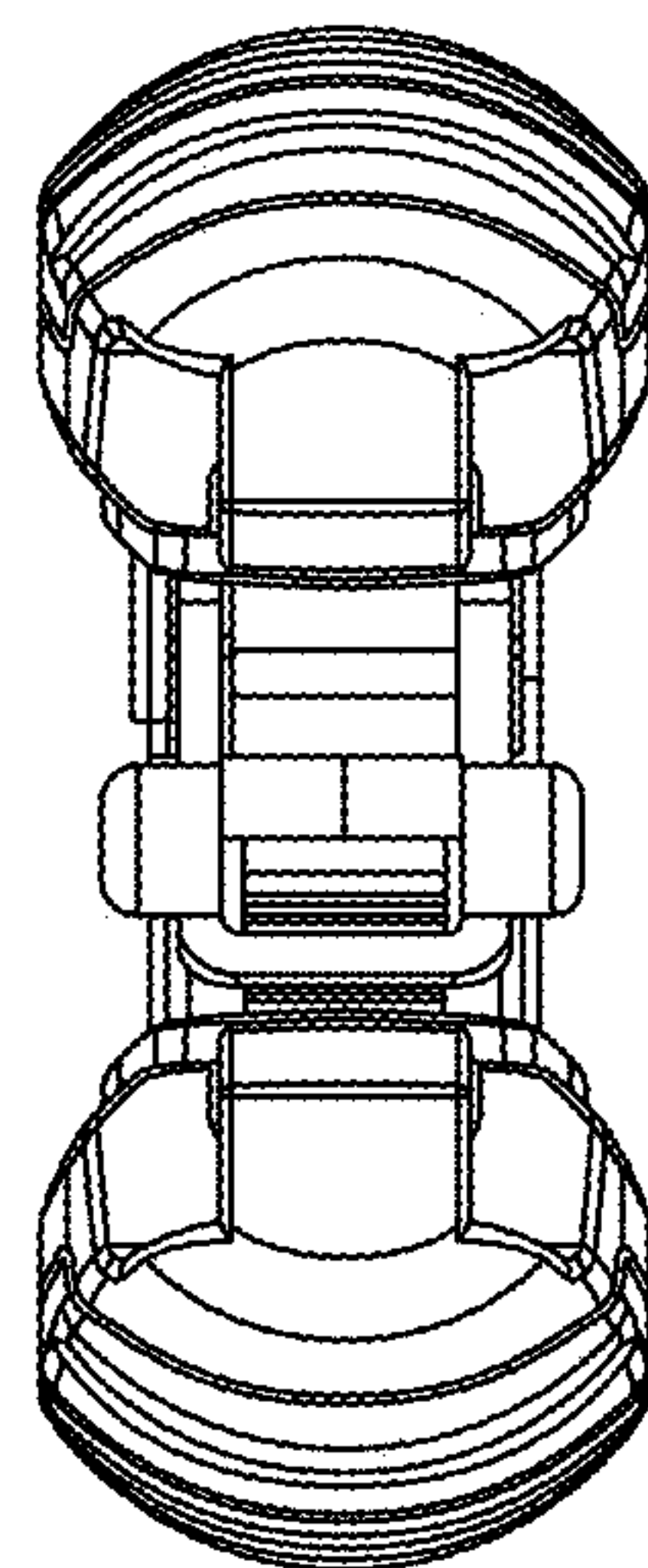


FIG. 4

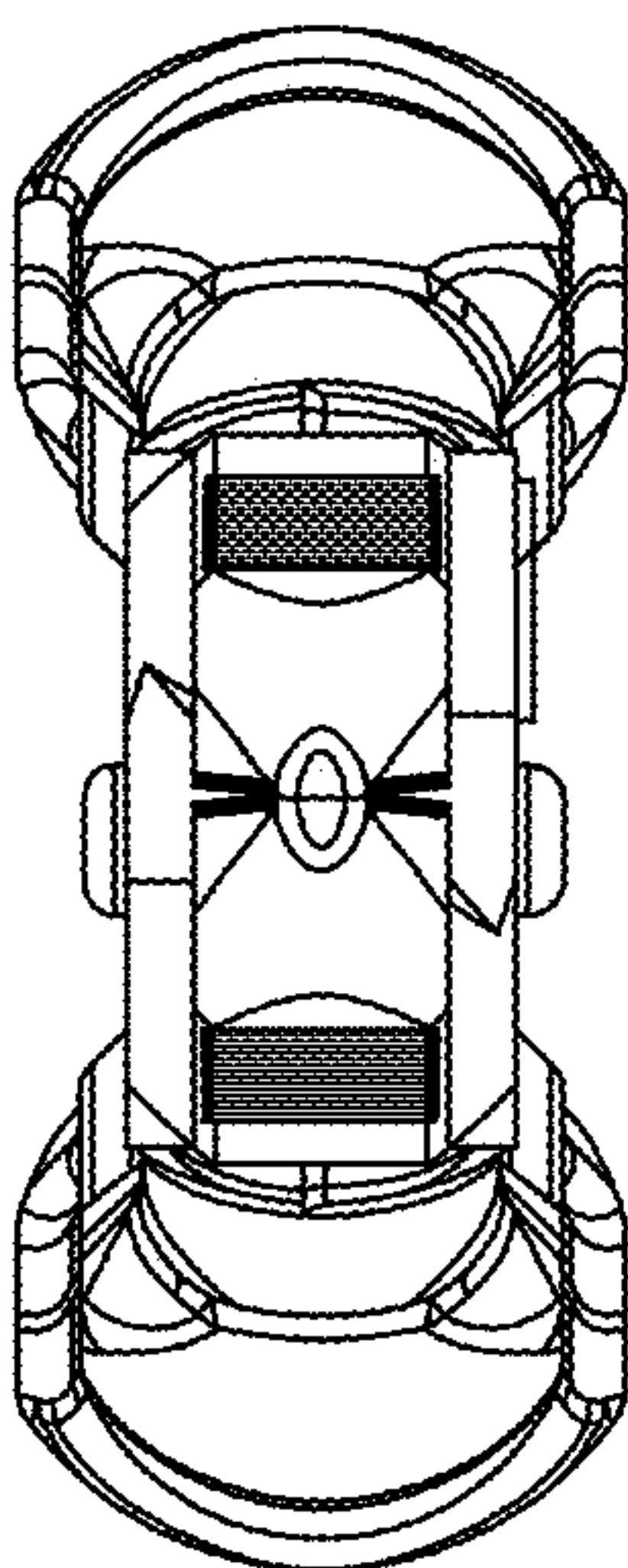


FIG. 5

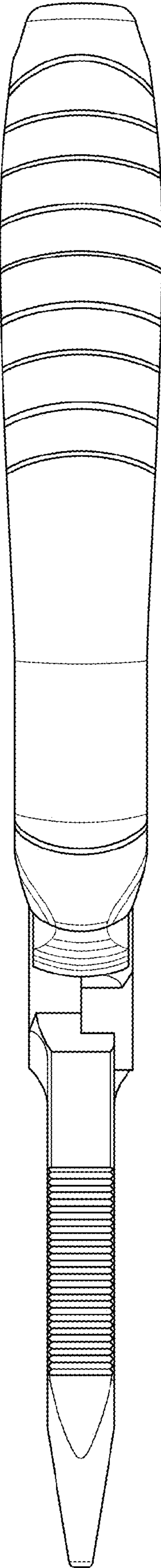


FIG. 6