



US00D986080S

(12) **United States Design Patent** (10) **Patent No.:** **US D986,080 S**
Nemeh et al. (45) **Date of Patent:** **** May 16, 2023**

(54) **HANDHELD CURRENT SENSOR**

FOREIGN PATENT DOCUMENTS

(71) Applicant: **Ninurta, Inc.**, Westlake, OH (US)

CN 3509868 * 6/2005
CN 300979193 * 1/2008

(72) Inventors: **Issam Nemeh**, Westlake, OH (US);
Wadi Nemeh, Westlake, OH (US);
Andreas Mershin, Arlington, MA (US);
Todd Quinn, Elyria, OH (US); **Patrick Moran**, Shrewsbury, MA (US); **Scott Lefton**, Melrose, MA (US)

(Continued)

OTHER PUBLICATIONS

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

Ashwak,10 Best Voltage Testers in 2022 Reviews & Buying Guide,Electronics Hub,Date first available Feb. 2, 2022, [online]retrieved Nov. 28, 2022,available from https://www.electronicshub.org/best-voltage-testers/ (Year: 2022).*

(Continued)

(21) Appl. No.: **29/806,127**

Primary Examiner — Keli L Hill

(22) Filed: **Sep. 1, 2021**

Assistant Examiner — Sara S Sahneh

(51) **LOC (14) Cl.** **10-04**

(74) *Attorney, Agent, or Firm* — Smith Keane LLP

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

(57) **CLAIM**

USPC **D10/78**

The ornamental design for a handheld current sensor, as shown and described.

(58) **Field of Classification Search**

DESCRIPTION

USPC D10/61, 65–69, 75–8, 96–101;
D14/138 R, 138 AA, 138 C

FIG. 1 is a front-left-top perspective view of a handheld current sensor showing the new design.

CPC H02J 7/00; H02J 7/0029; H02J 7/0042;

FIG. 2 is a front view of the handheld current sensor of FIG. 1.

H02J 9/02; H02J 7/0048; H02J 7/005;

FIG. 3 is a rear view of the handheld current sensor of FIG. 1.

H02J 9/065; H05K 5/0026; H01H 13/70;

FIG. 4 is a right side view of the handheld current sensor of FIG. 1.

G01R 15/002; G01R 15/12; G01R 13/02;

FIG. 5 is a left side view of the handheld current sensor of FIG. 1.

G01R 1/025; G01R 15/125; G01R

FIG. 6 is a top view of the handheld current sensor of FIG. 1; and,

19/16561; G01R 19/16576; G01R

FIG. 7 is a bottom view of the handheld current sensor of FIG. 1.

19/2516; G01R 15/16; G01R 19/2513;

The broken lines shown are included for the purpose of illustrating portions of the handheld current sensor that form no part of the claim.

G01R 19/145; G01R 19/155; G01R

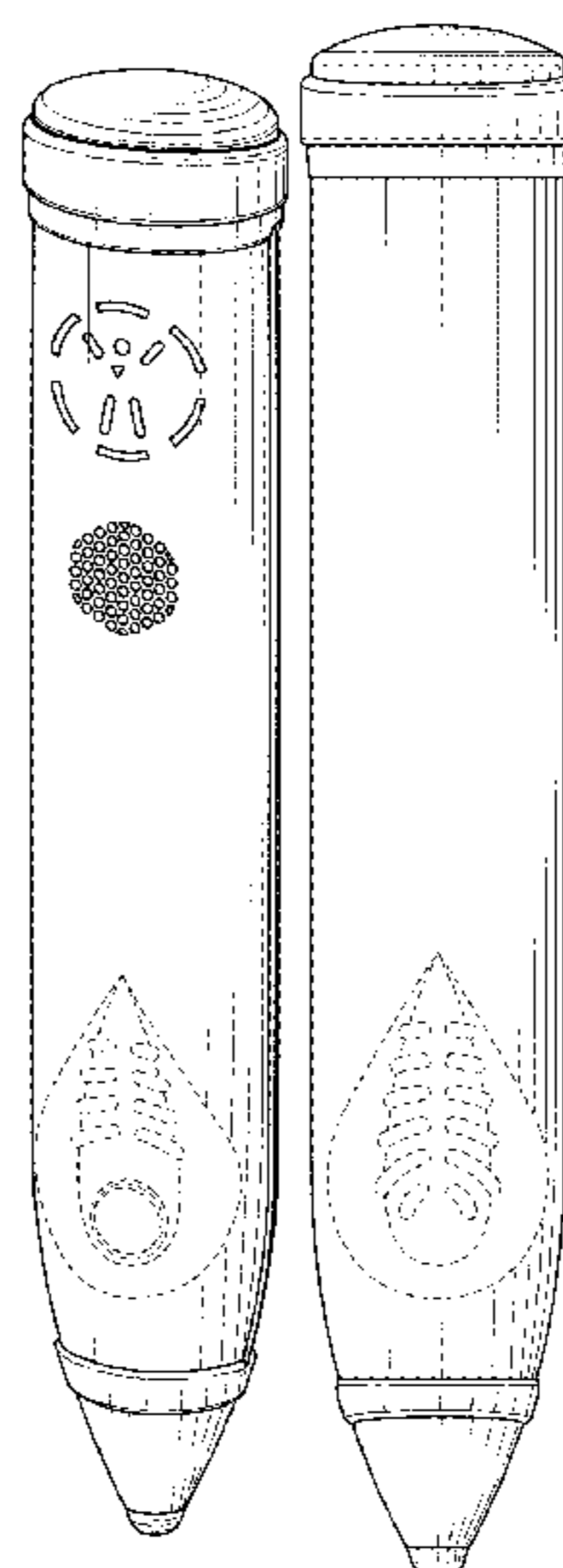
(56) **References Cited**

U.S. PATENT DOCUMENTS

D383,988 S * 9/1997 Luebke D10/78
D410,203 S * 5/1999 Beha D10/78

(Continued)

1 Claim, 4 Drawing Sheets



(58) **Field of Classification Search**

CPC 21/165; G01C 21/20; G01C 25/00; G01C 17/38; G08C 17/02; H04B 10/11; C02F 2209/11; C02F 2209/02; C02F 2209/06; C02F 2209/10; C02F 2303/14; G01M 15/102; G07C 5/0808; G07C 2205/02; G01D 5/00

See application file for complete search history.

11,320,462 B2 * 5/2022 Constable G01R 15/125
2018/0328965 A1 * 11/2018 Yuan G01R 19/145
2019/0317138 A1 * 10/2019 Thrasher G01R 19/2513

FOREIGN PATENT DOCUMENTS

CN 306255026 * 8/2020
CN 306411154 * 11/2020
CN 306529755 * 11/2020

(56)

References Cited

U.S. PATENT DOCUMENTS

D461,424 S * 8/2002 Luebke D10/78
D501,415 S * 2/2005 Seymour D10/78
D514,963 S * 2/2006 Shionoiri D10/78
D571,240 S * 6/2008 Chun D10/78
D625,211 S * 10/2010 Chun D10/78
D661,605 S * 6/2012 Laurino D10/78
D684,876 S * 6/2013 Laurino D10/78
D769,139 S * 10/2016 Thrasher D10/78

OTHER PUBLICATIONS

Southwire Store, NCV Detector, Date first available Feb. 2, 2017, [online]retrieved Nov. 28, 2022, available from <https://www.amazon.com/DP/B01M24N714> (Year: 2017).*

Fluke Store, Voltage Detector, Date first available Mar. 24, 2016, [online]retrieved Nov. 28, 2022, available from <https://www.amazon.com/DP/B00PR02OHU> (Year: 2016).*

* cited by examiner

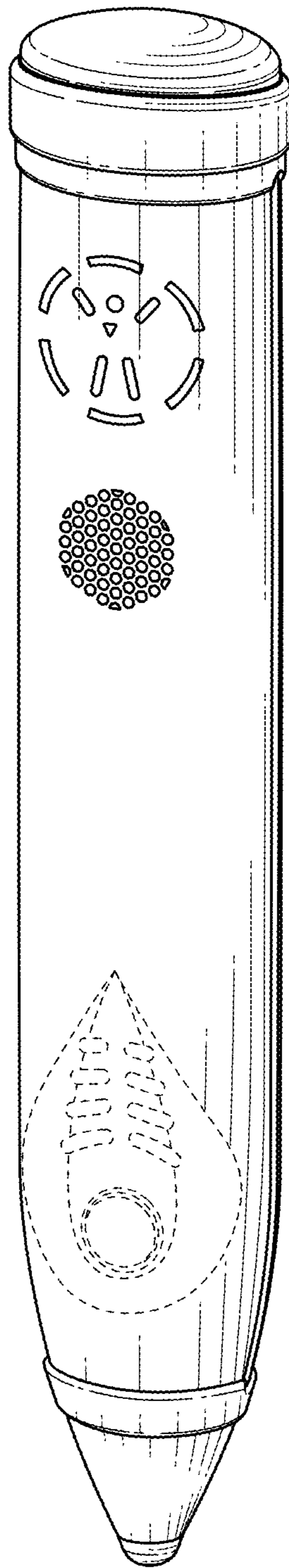


FIG. 1

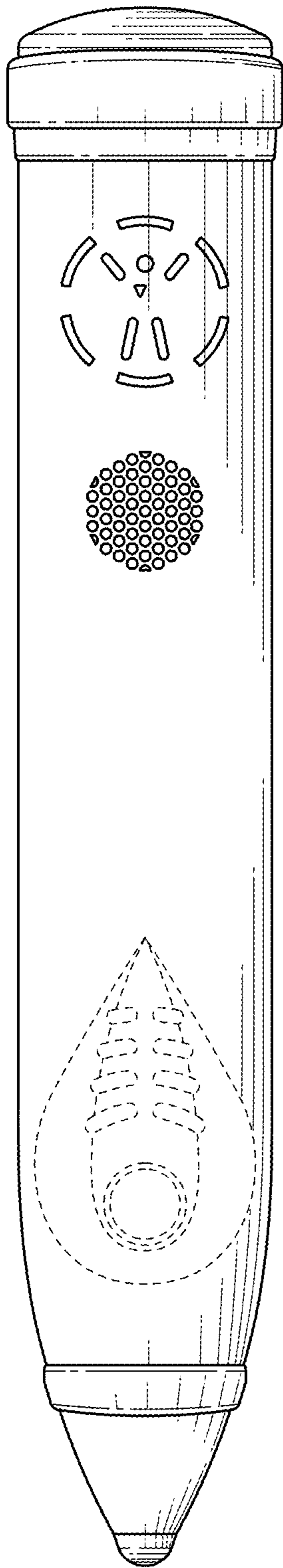


FIG. 2

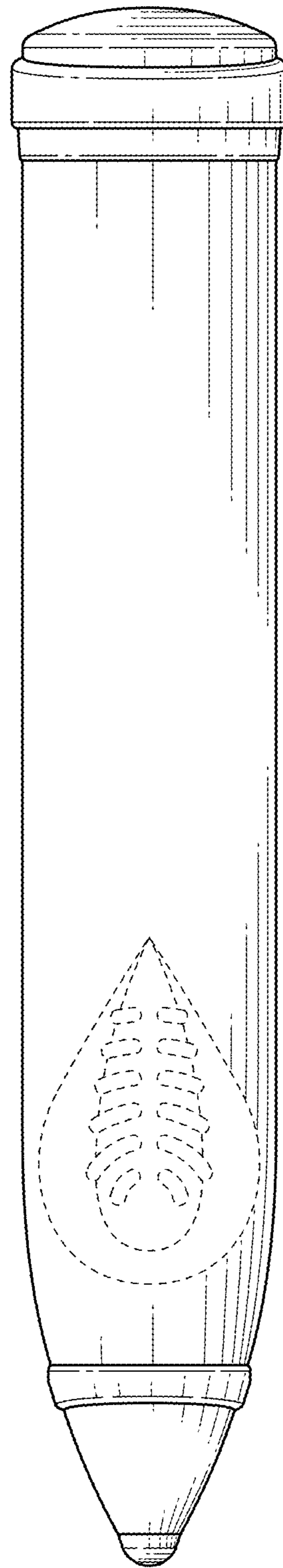


FIG. 3

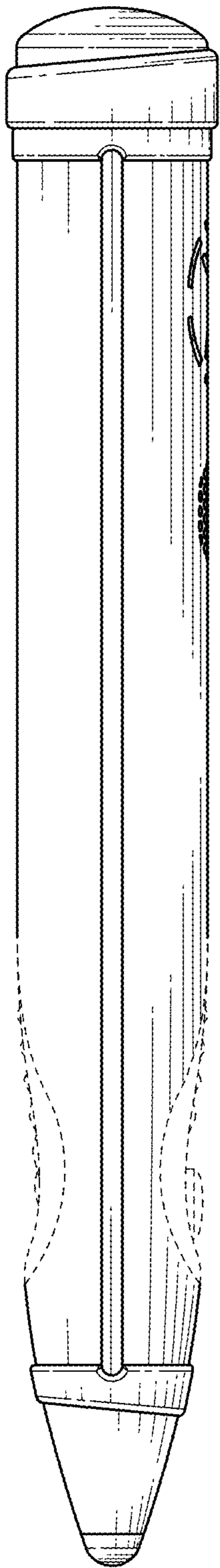


FIG. 4

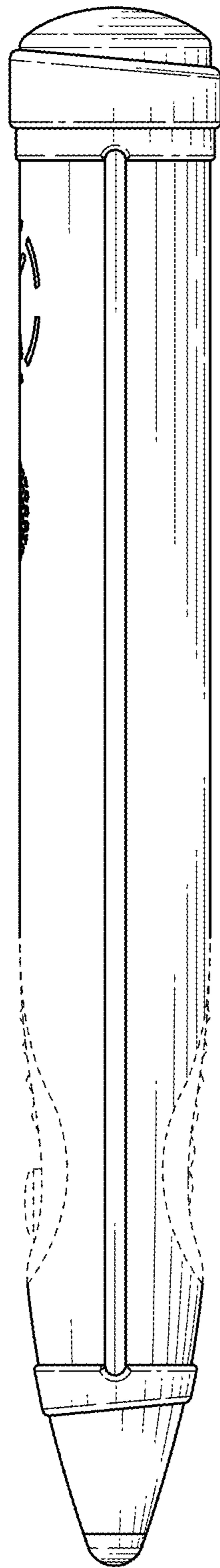


FIG. 5

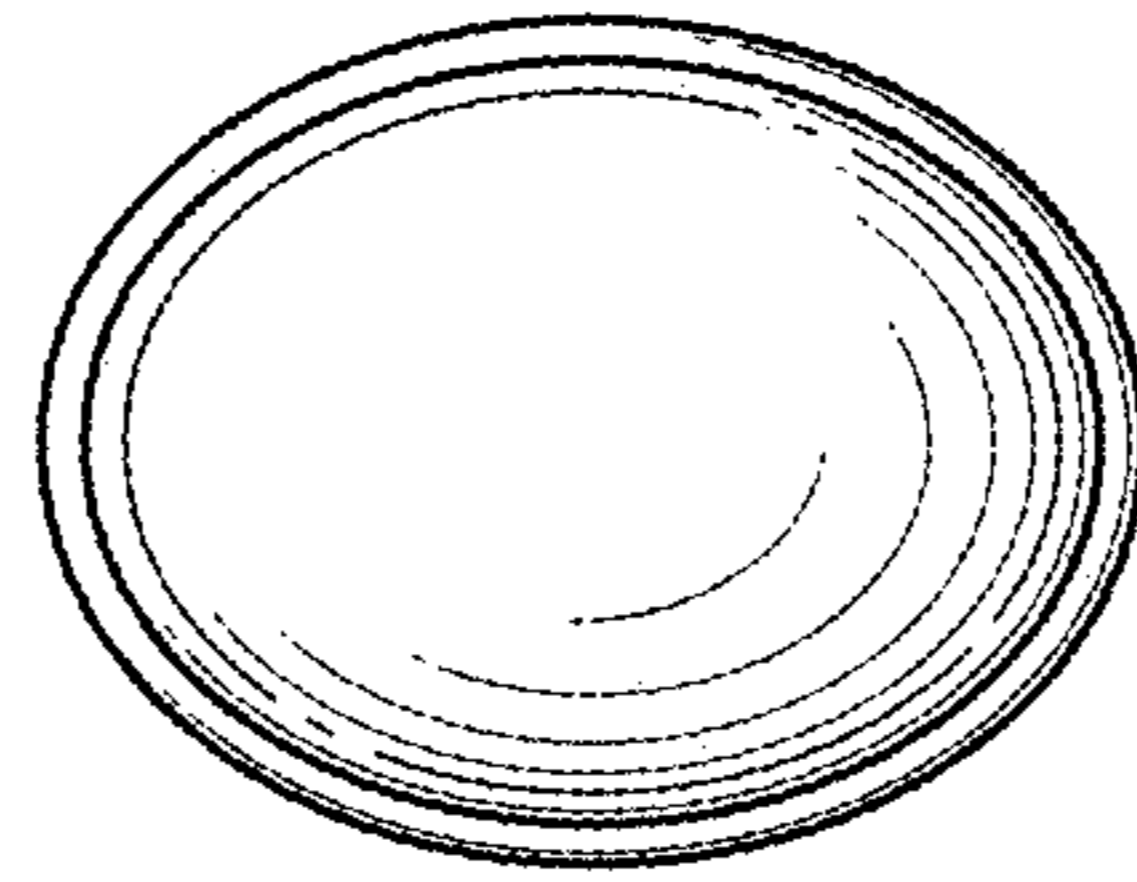


FIG. 6

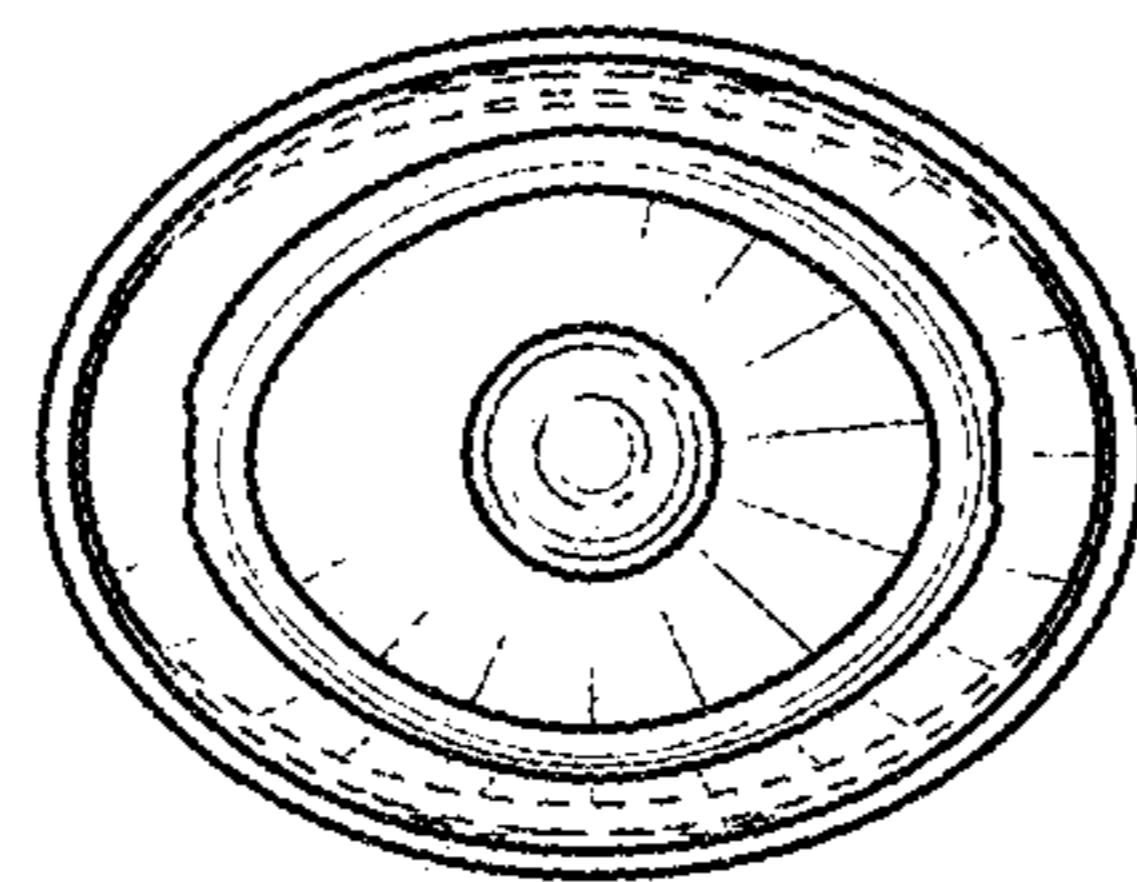


FIG. 7