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(12) **United States Design Patent**
Wang

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(54) **EAR CLEANER**

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

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(52) **U.S. Cl.**
USPC **D24/151**

(58) **Field of Classification Search**
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CPC A46B 5/00; A46B 5/0004; A46B 5/0016;
A46B 7/10; A46B 13/001; A46B 13/02;
A46B 13/023; A46B 13/08; A46B
2200/1006; A46B 2200/30; A61B
2018/00327; A61Q 90/00; A61F 11/006

See application file for complete search history.

(56) **References Cited**

U.S. PATENT DOCUMENTS

D306,914 S * 3/1990 Shinohara D28/7
D344,131 S * 2/1994 Hubbell D24/112
D391,637 S * 3/1998 Harry D24/119
6,325,076 B1 * 12/2001 Ramirez A46B 11/002
132/308
D489,133 S 4/2004 Shimizu
D551,569 S * 9/2007 Tanaka D9/724
D571,465 S * 6/2008 Koros D24/133
7,467,908 B2 * 12/2008 Francavilla G01F 11/025
222/546

D692,319 S * 10/2013 Moreau D9/726
D774,922 S * 12/2016 Moreaux D9/724
D847,993 S 5/2019 Olson
D854,744 S * 7/2019 Tanaka A46B 11/002
D28/7
D931,458 S * 9/2021 Wang G01F 11/025
D24/151
D932,622 S * 10/2021 Wang D24/151
(Continued)

FOREIGN PATENT DOCUMENTS

CN 306864579 * 10/2021

OTHER PUBLICATIONS

FCC ID, "X1 Smart visual ear-clean Rod", first available Oct. 14, 2021. (<https://fccid.io/2AU63-X1/External-Photos/External-photos-5490948.pdf>) (Year: 2021).*

(Continued)

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(57) **CLAIM**

The ornamental design for an ear cleaner, as shown and described.

DESCRIPTION

FIG. 1 is a perspective view of an ear cleaner showing my new design;
FIG. 2 is another perspective view thereof;
FIG. 3 is a front elevational view thereof;
FIG. 4 is a rear elevational view thereof;
FIG. 5 is a left side elevational view thereof;
FIG. 6 is a right side elevational view thereof;
FIG. 7 is a top plan view thereof; and,
FIG. 8 is a bottom plan view thereof.
The broken lines in the drawings depict portions of the ear cleaner that form no part of the claimed design.

1 Claim, 8 Drawing Sheets



(56)

References Cited

U.S. PATENT DOCUMENTS

D944,987 S * 3/2022 Wang D24/151

OTHER PUBLICATIONS

Amazon, "Kiboule Ear Wax Removal Tool", first available Apr. 19, 2022. (<https://www.amazon.com/dp/B09WR5VL39/?th=1>) (Year: 2022).*

Amazon, "Sanvaree Ear Wax Removal", first available Jan. 15, 2022. (<https://www.amazon.com/dp/B09QFYG61N/?th=1>) (Year: 2022).*

Amazon, "GPEESTRAC Ear Wax Removal", first available Apr. 7, 2022. (<https://www.amazon.com/dp/B09XF4RKRV/?th=1>) (Year: 2022).*

* cited by examiner

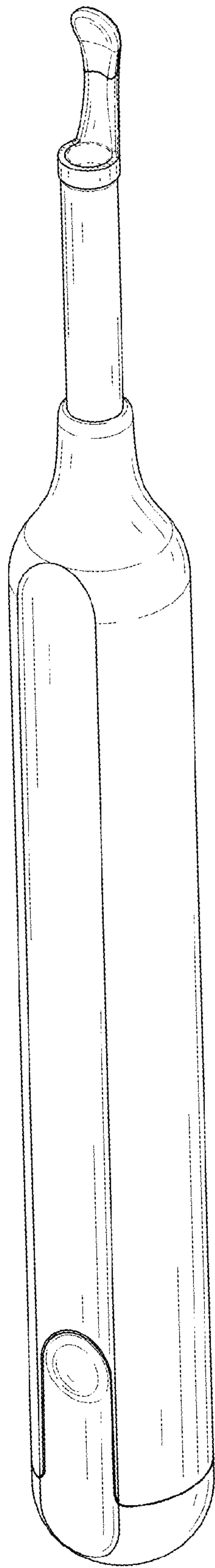


FIG. 1

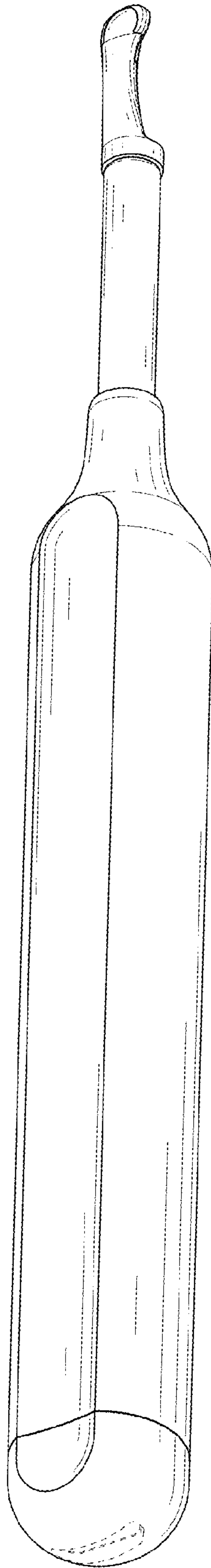


FIG. 2

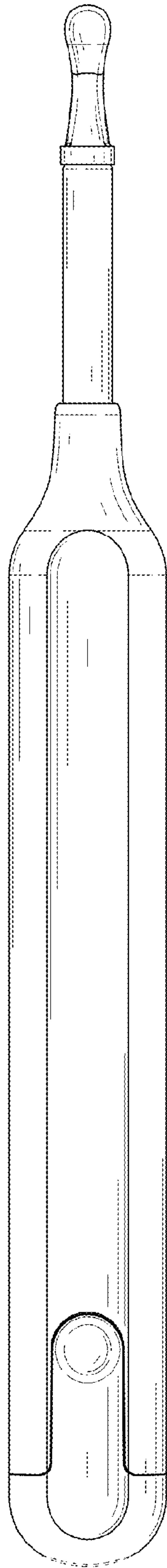


FIG. 3

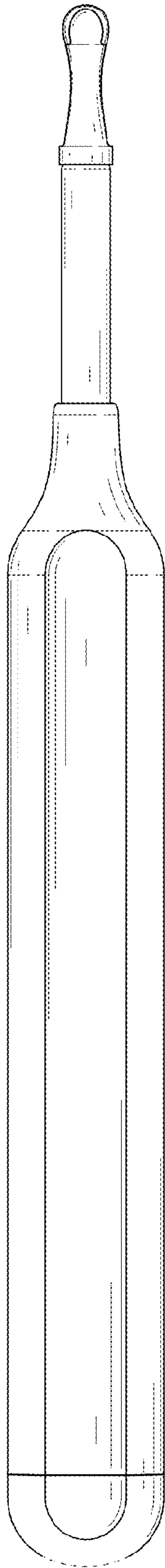


FIG. 4

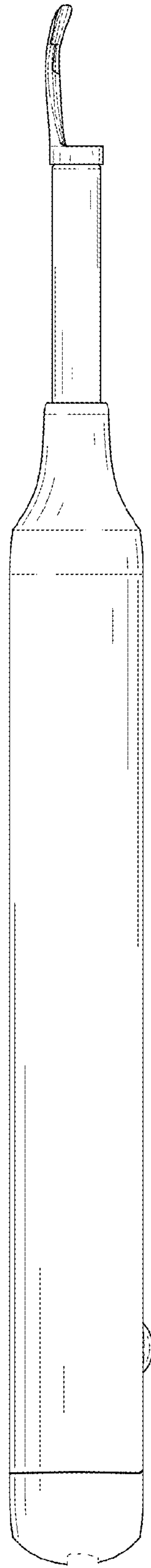


FIG. 5

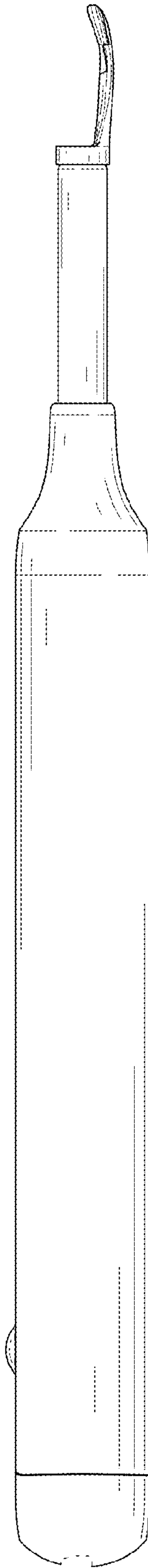


FIG. 6

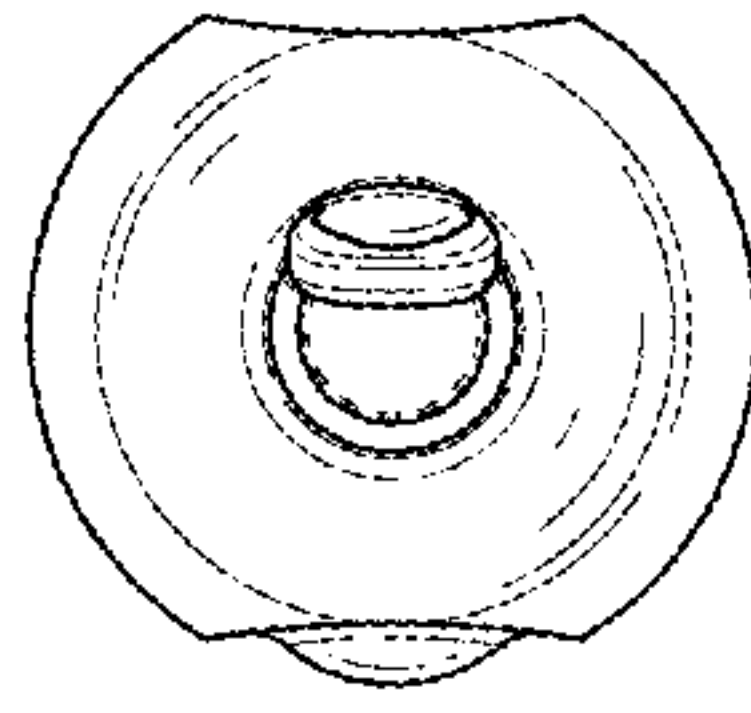


FIG. 7

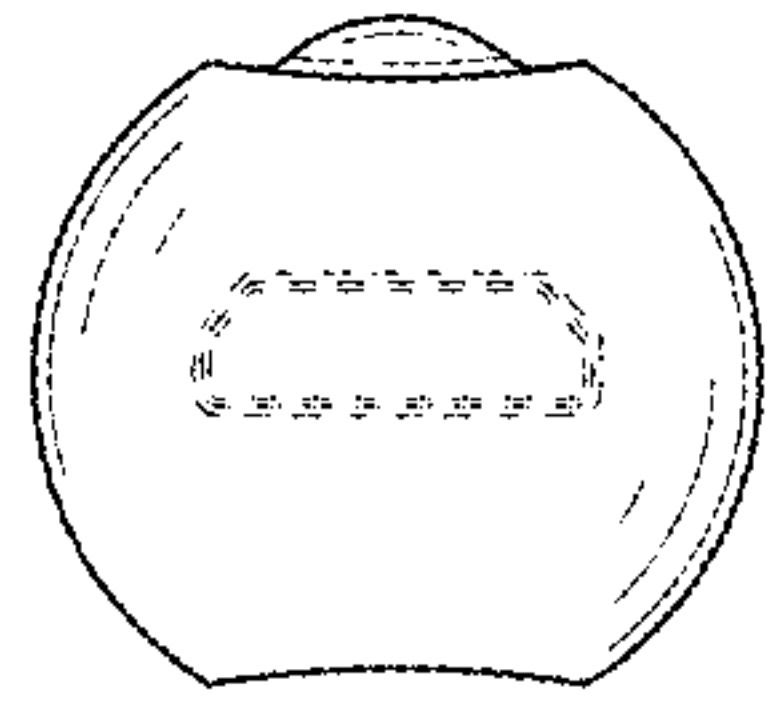


FIG. 8