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(12) **United States Design Patent** (10) **Patent No.:** **US D943,851 S**
Zhang (45) **Date of Patent:** **** Feb. 15, 2022**

(54) **VACUUM CLEANER**

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(71) Applicant: **Nanjing YANTU Car Accessory Co., Ltd.**, Nanjing (CN)

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(72) Inventor: **Yongqing Zhang**, Nanjing (CN)

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(73) Assignee: **NANJING YANTU CAR ACCESSORY CO. LTD.**, Nanjing (CN)

KongLyle Handheld Auto Vacuum Cleaner, available in Amazon.co.uk, date first available date Aug. 20, 2020 [online], [site visited date May 17, 2021], Available from the internet URL: https://www.amazon.co.uk/KongLyle-Handheld-High-power-Powerful-Cleaners/dp/B08GC3JVFM/ref=psdc_3147731_t1_B08NDY4ND1 (Year: 2020).*

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

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(Continued)

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(51) **LOC (13) Cl.** **15-05**

Primary Examiner — Dana K Weiland

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

Assistant Examiner — Jennylou M Binas

USPC **D32/23**

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(58) **Field of Classification Search**

USPC D32/17, 18, 19, 21, 22, 23, 31; D7/509, D7/511, 590, 608; D8/70; D9/516, 537, D9/564; D14/213, 214, 215, 216; D23/202, 205

(57) **CLAIM**

CPC ... A47L 5/24; A47L 5/365; A47L 5/38; A47L 7/0023; A47L 7/0047; A47L 7/0052; A47L 7/009; A47L 9/0036; A47L 9/0673; A47L 9/127; A47L 9/1409; A47L 9/1683; A47L 9/1666; A47L 11/22; A47L 11/30; B01D 2279/55; B04C 5/08; B04C 5/18; B04C 2009/004; B23Q 11/0046; B23Q 11/0071; Y10S 55/03; E04H 4/1636

The ornamental design for a vacuum cleaner, as shown and described.

See application file for complete search history.

DESCRIPTION

(56) **References Cited**

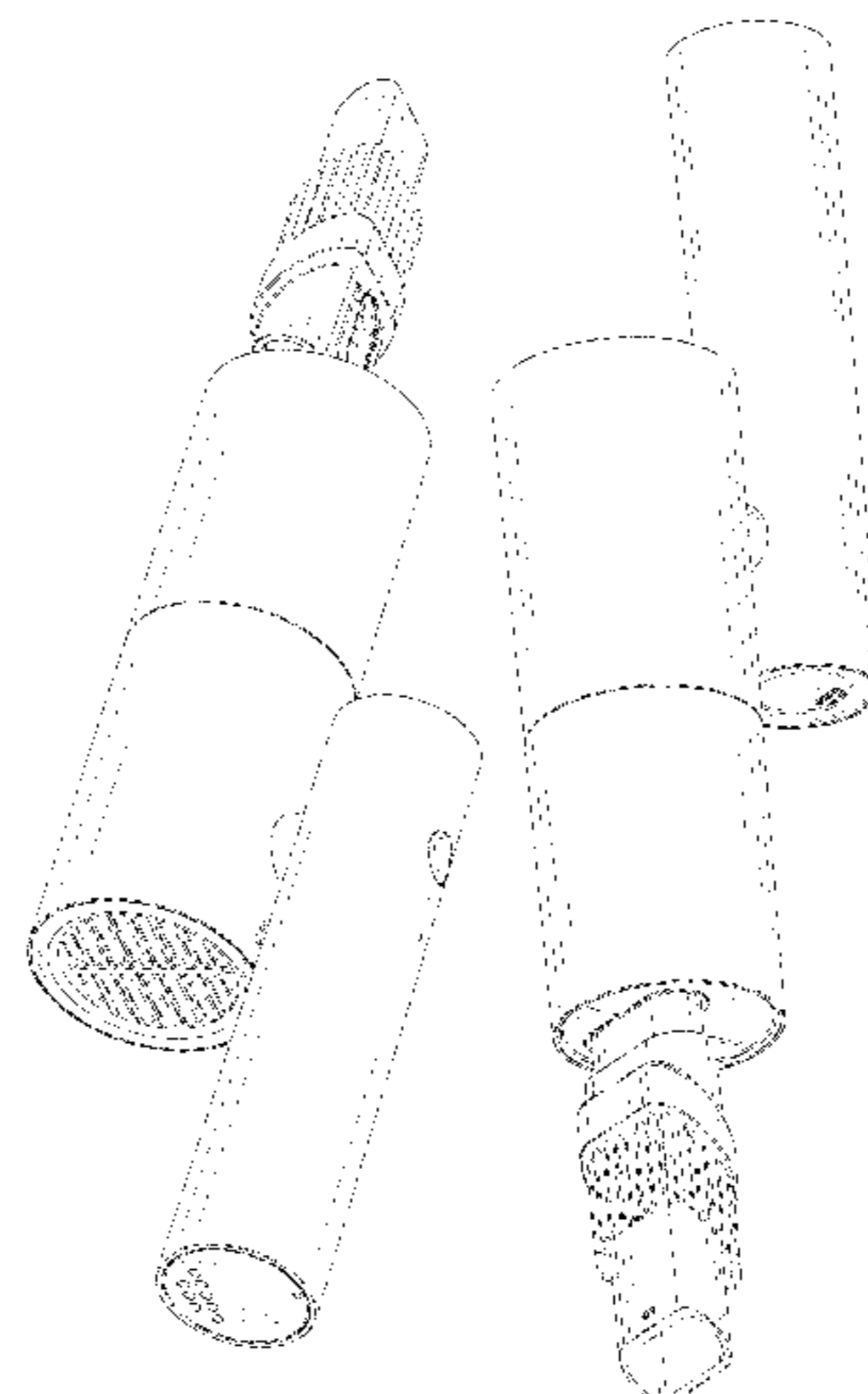
FIG. 1 is a perspective view of a vacuum cleaner showing my new design;
FIG. 2 is another perspective view thereof;
FIG. 3 is a front view thereof;
FIG. 4 is a rear view thereof;
FIG. 5 is a left side view thereof;
FIG. 6 is a right side view thereof;
FIG. 7 is a top enlarged plan view thereof; and,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

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1 Claim, 8 Drawing Sheets



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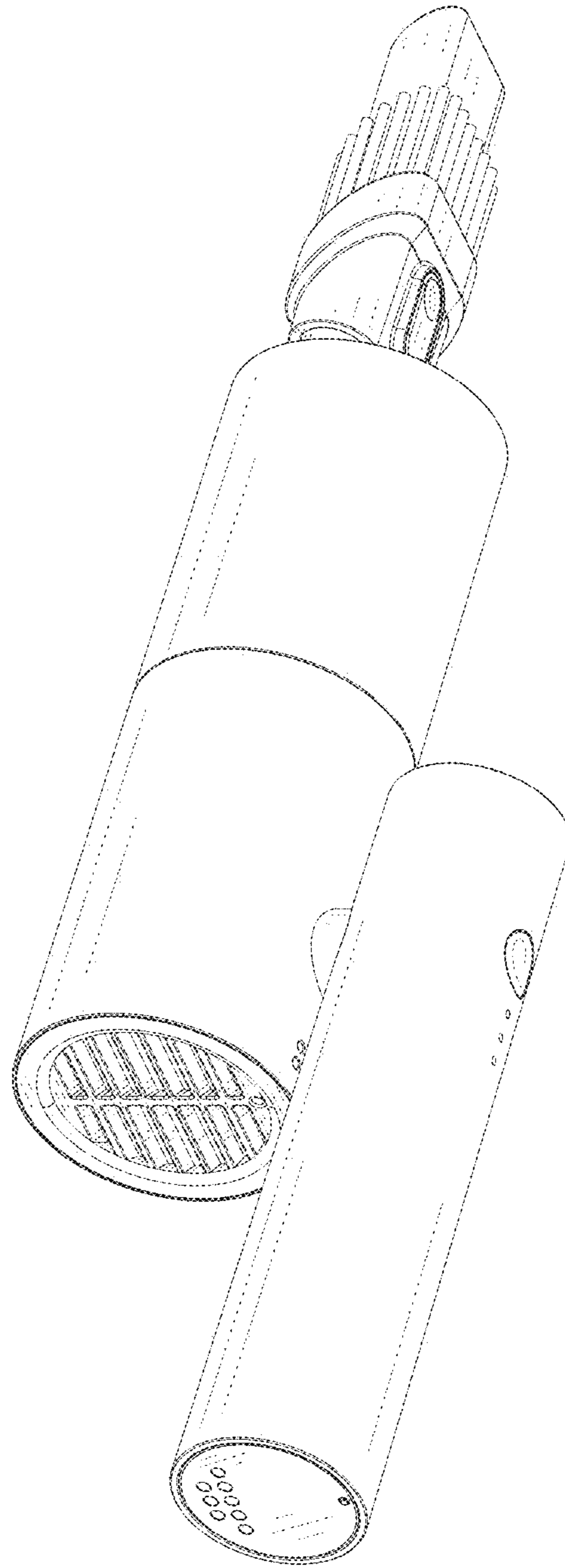


FIG. 1

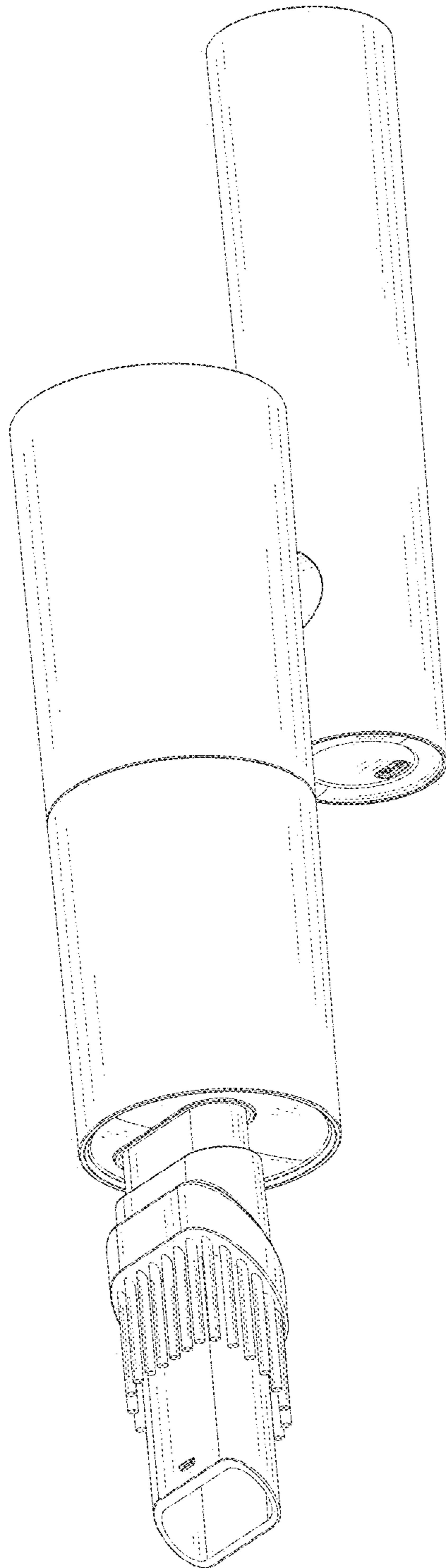


FIG. 2

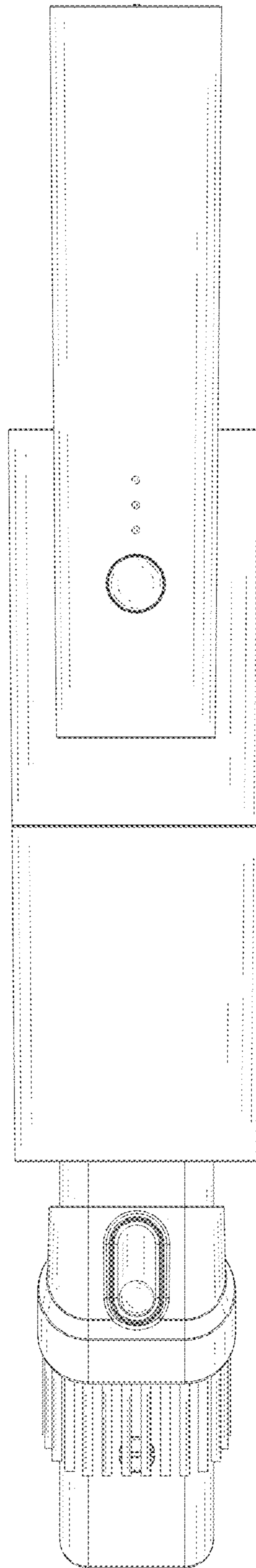


FIG. 3

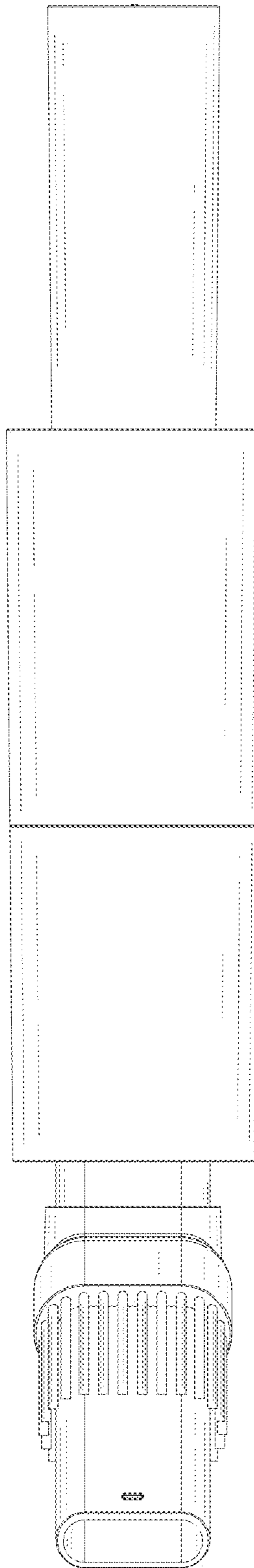


FIG. 4

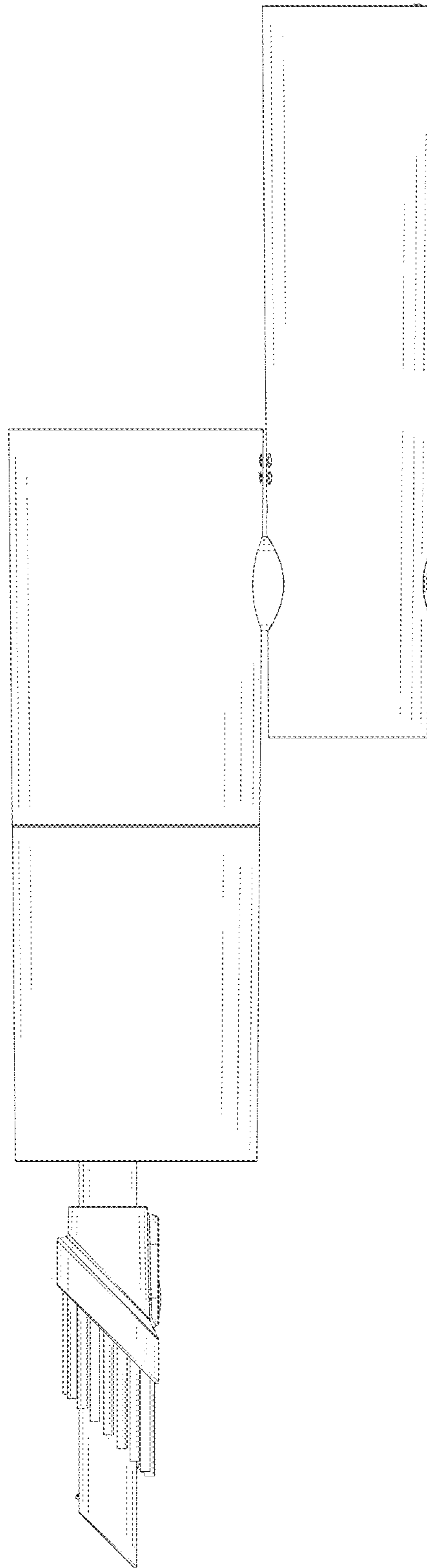


FIG. 5

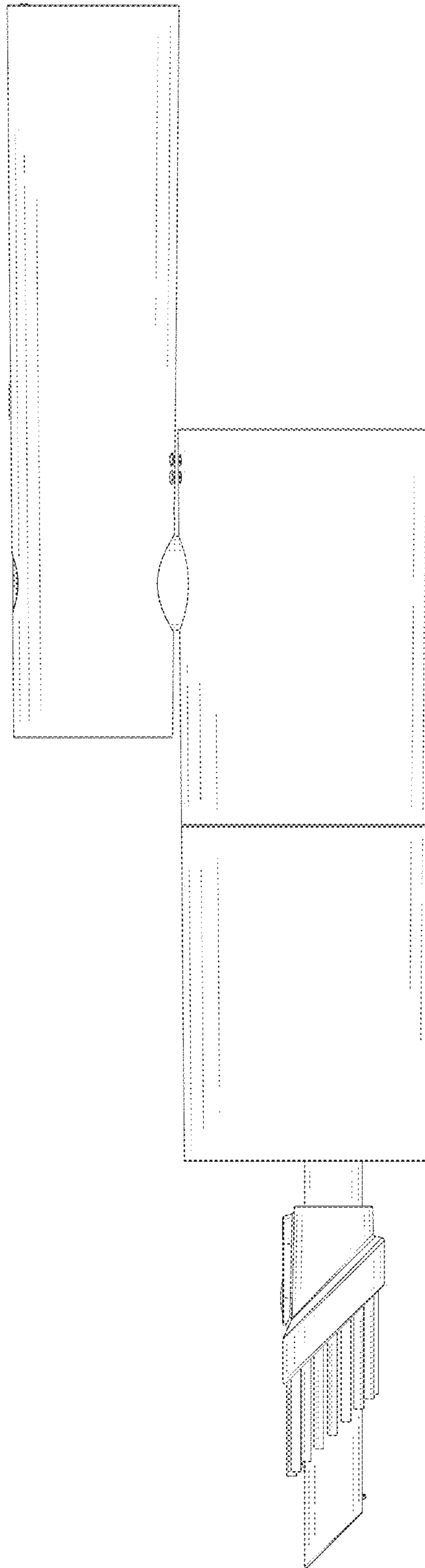


FIG. 6

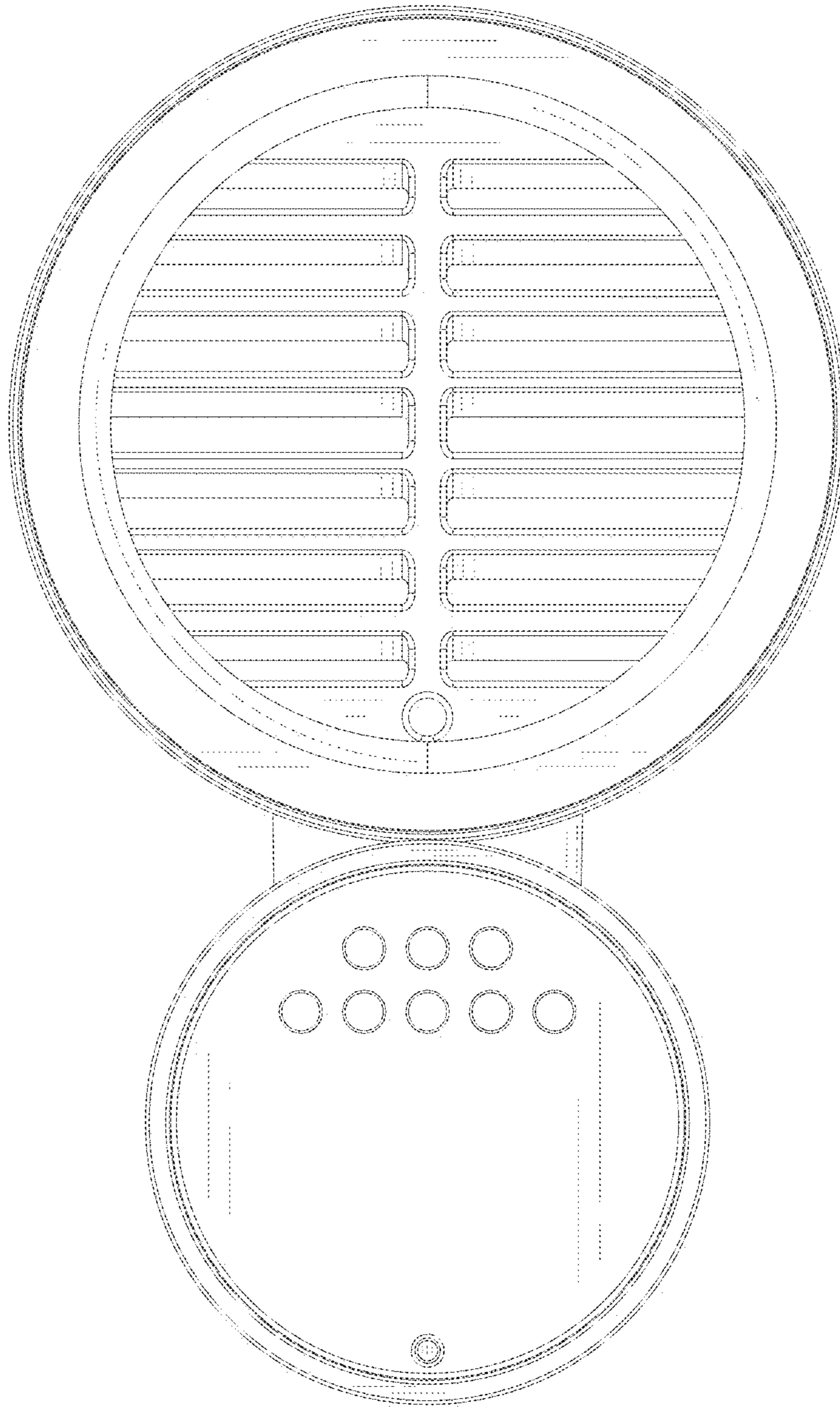


FIG. 7

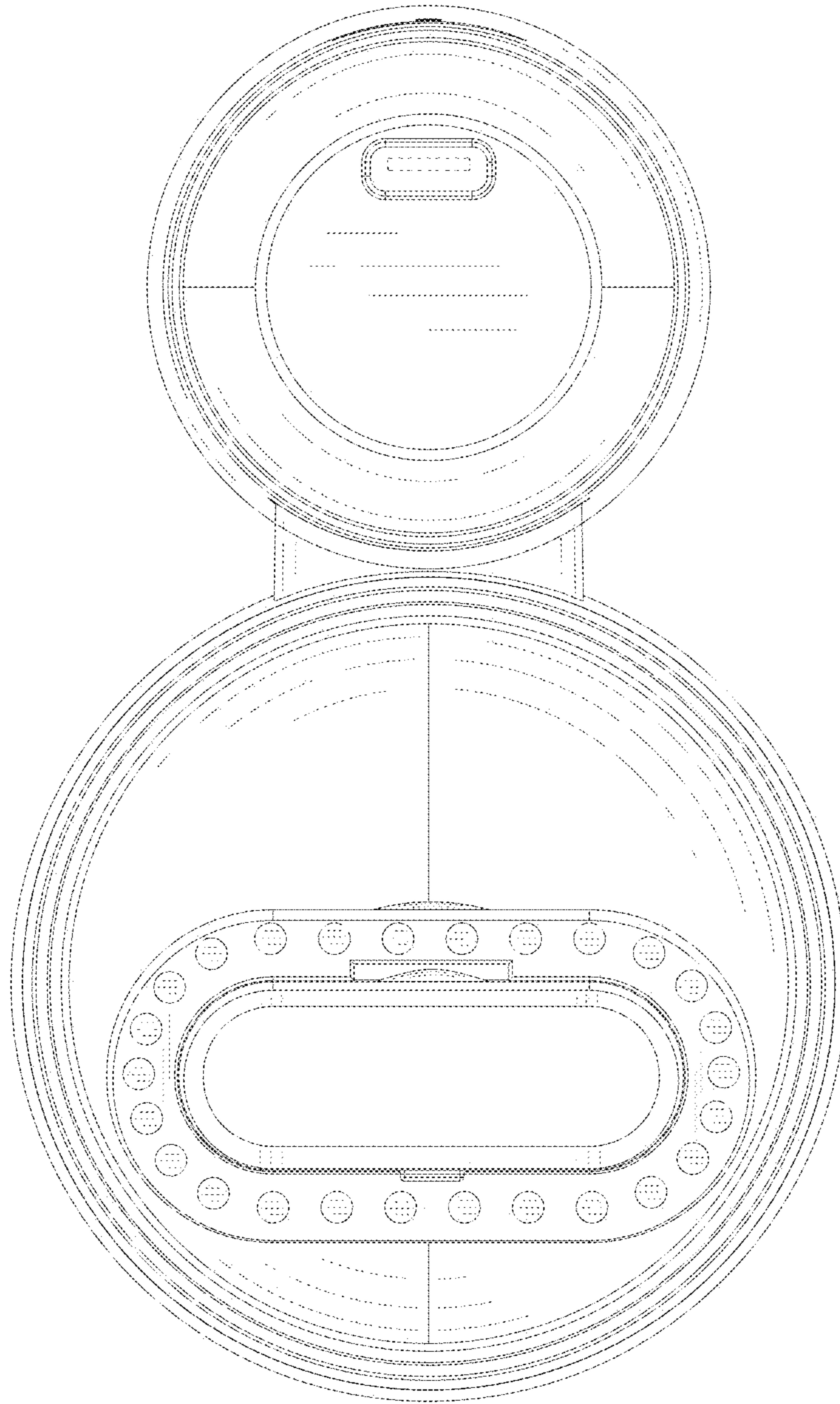


FIG. 8