US00D917703S

(12) United States Design Patent

Seki

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(45) Date of Patent: ** Apr. 27, 2021

(54) **BIOSIGNAL DETECTOR**

(71) Applicant: **MELTIN MMI CO., LTD.**, Tokyo (JP)

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(73) Assignee: **MELTIN MMI CO., LTD.**, Tokyo (JP)

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

(21) Appl. No.: **29/677,942**

(22) Filed: **Jan. 24, 2019**

Related U.S. Application Data

(62) Division of application No. 35/504,324, filed on Jul. 14, 2017 (U.S. filing date under 35 U.S.C. 384), and
(Continued)

(30) **Foreign Application Priority Data**

Jan. 16, 2017 (JP) 2017-000575
Jan. 16, 2017 (JP) 2017-000576
(Continued)

(51) **LOC (13) Cl.** **24-02**
(52) **U.S. Cl.**
USPC **D24/186**
(58) **Field of Classification Search**
USPC D24/186, 187, 200
(Continued)

(56) **References Cited**

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Primary Examiner — Eliza Z Bennett-Hattan
(74) *Attorney, Agent, or Firm* — Renner, Otto, Boisselle & Sklar, LLP

(57) **CLAIM**

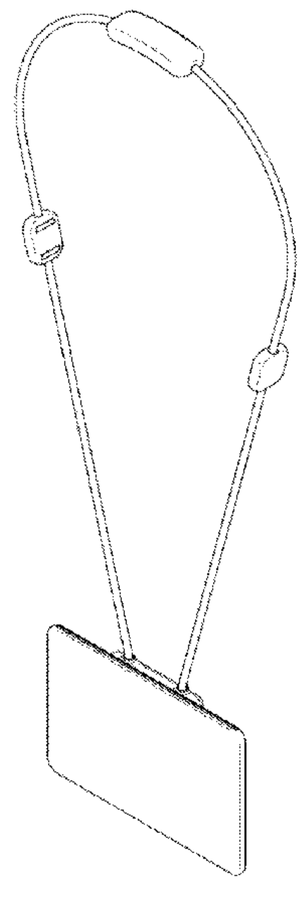
The ornamental design for a biosignal detector, as shown and described.

DESCRIPTION

FIG. **1**: Perspective
FIG. **2**: Perspective
FIG. **3**: Front
FIG. **4**: Back
FIG. **5**: Right
FIG. **6**: Left
FIG. **7**: Top
FIG. **8**: Bottom
FIG. **9**: Partial enlarged view of FIG. **1**
FIG. **10**: Partial enlarged view of FIG. **2**
FIG. **11**: Reference view—electrodes
FIG. **12**: Reference view—electrodes
FIG. **13**: Reference view—housing
FIG. **14**: Reference view of state in use
FIG. **15**: Perspective
FIG. **16**: Perspective
FIG. **17**: Front
FIG. **18**: Back
FIG. **19**: Right
FIG. **20**: Left
FIG. **21**: Top
FIG. **22**: Bottom
FIG. **23**: Partial enlarged view of FIG. **15**
FIG. **24**: Partial enlarged view of FIG. **16**
FIG. **25**: Reference view—electrodes
FIG. **26**: Reference view—electrodes
FIG. **27**: Reference view—housing; and,
FIG. **28**: Reference view of state in use.

The solid lines form part of the claimed designs; the broken lines are for illustrative purposes only and form no part of the claimed designs; the biosignal detector of designs **1** and **2** can detect biosignals (e.g., electrocardio signals, mastication signals) using the electrodes.

1 Claim, 28 Drawing Sheets



Related U.S. Application Data

having an international filing date of Jul. 14, 2017, now Pat. No. Des. 853,569.

(30) **Foreign Application Priority Data**

Jan. 16, 2017 (JP) 2017-000577
Jan. 16, 2017 (JP) 2017-000578
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Jan. 16, 2017 (JP) 2017-000584
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Jan. 16, 2017 (JP) 2017-000586
Jan. 16, 2017 (JP) 2017-000587

(58) **Field of Classification Search**
CPC A61B 5/0478
See application file for complete search history.

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FIG. 1

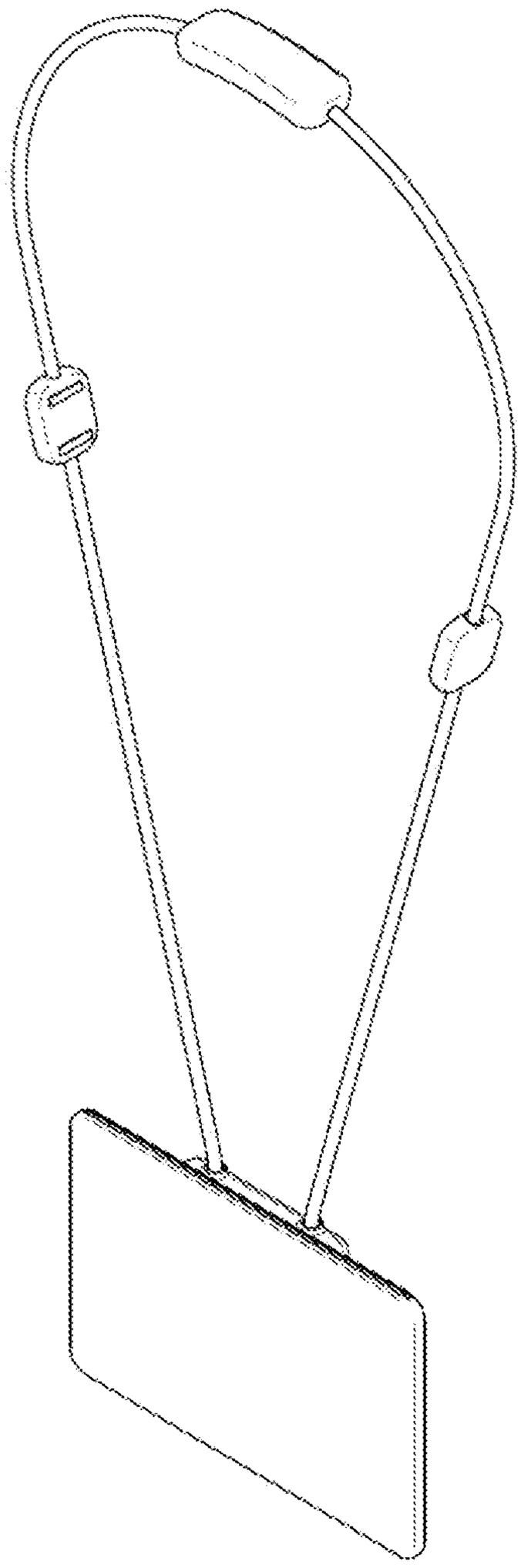


FIG. 2

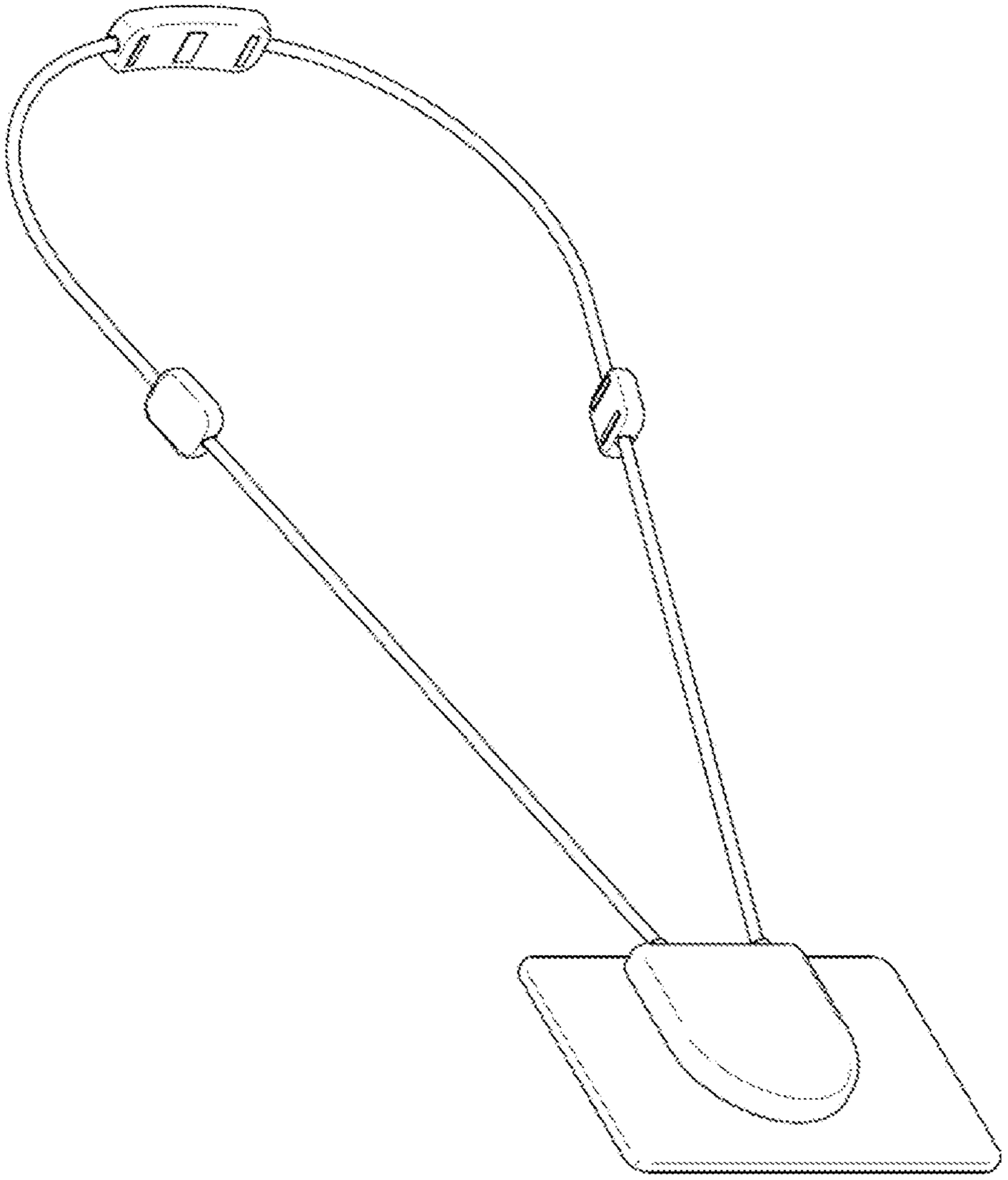


FIG. 3

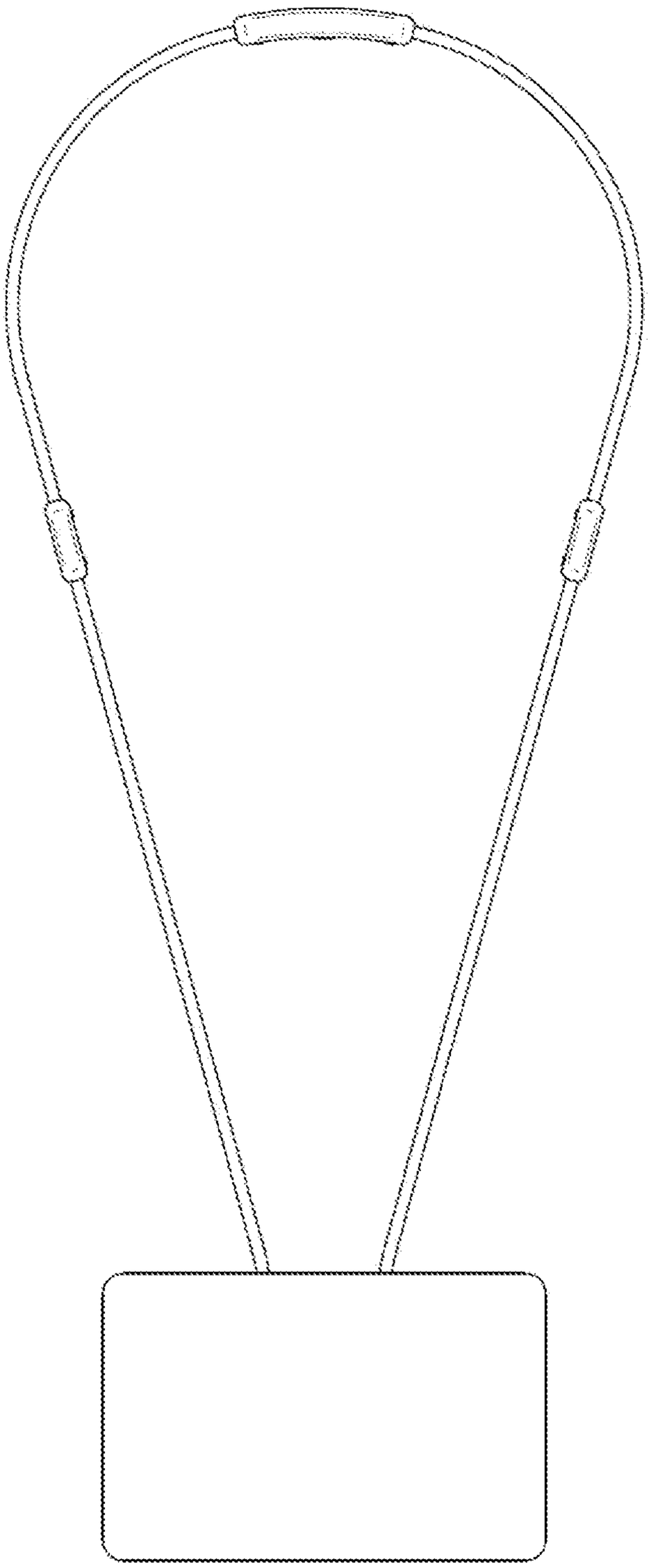


FIG. 4

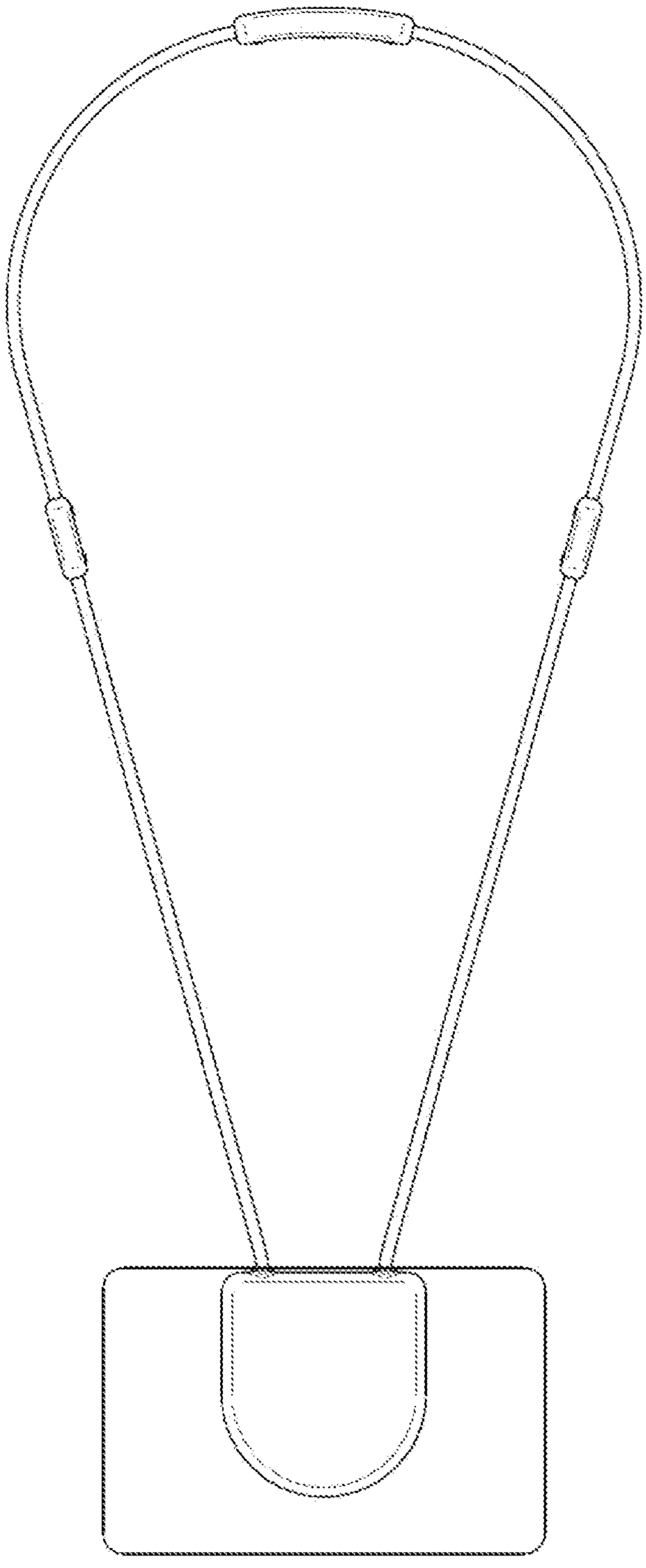


FIG. 5

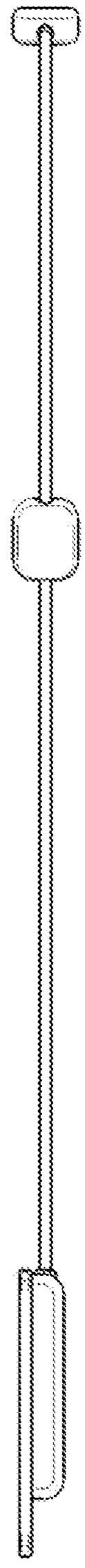


FIG. 6

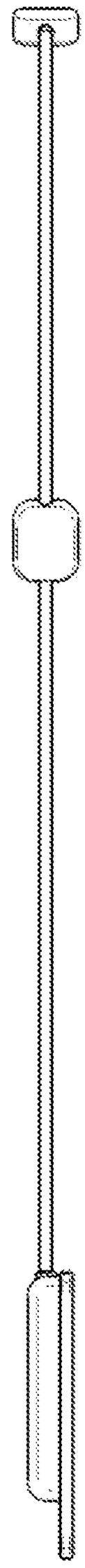


FIG. 7

FIG. 8

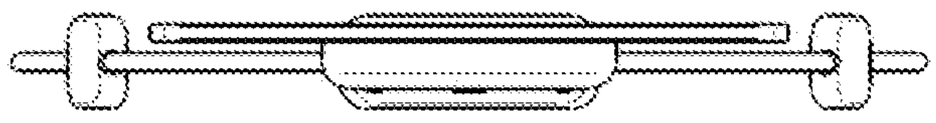


FIG. 9

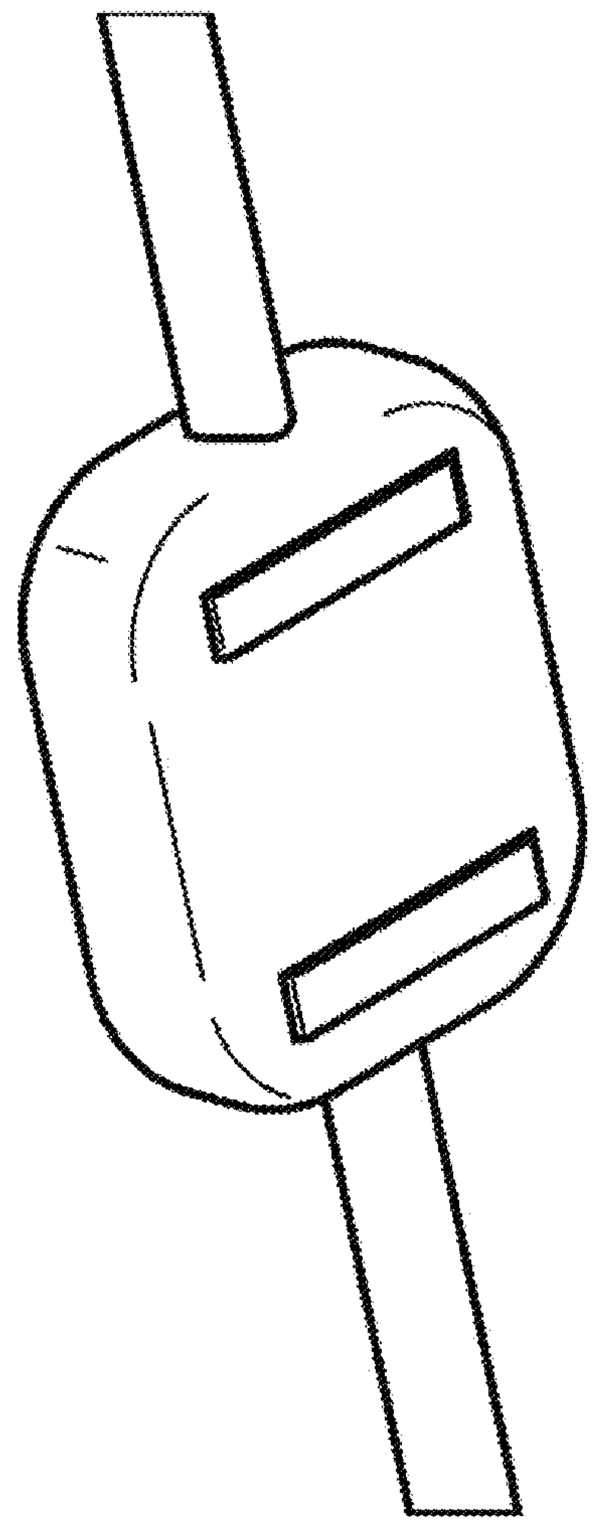


FIG. 10

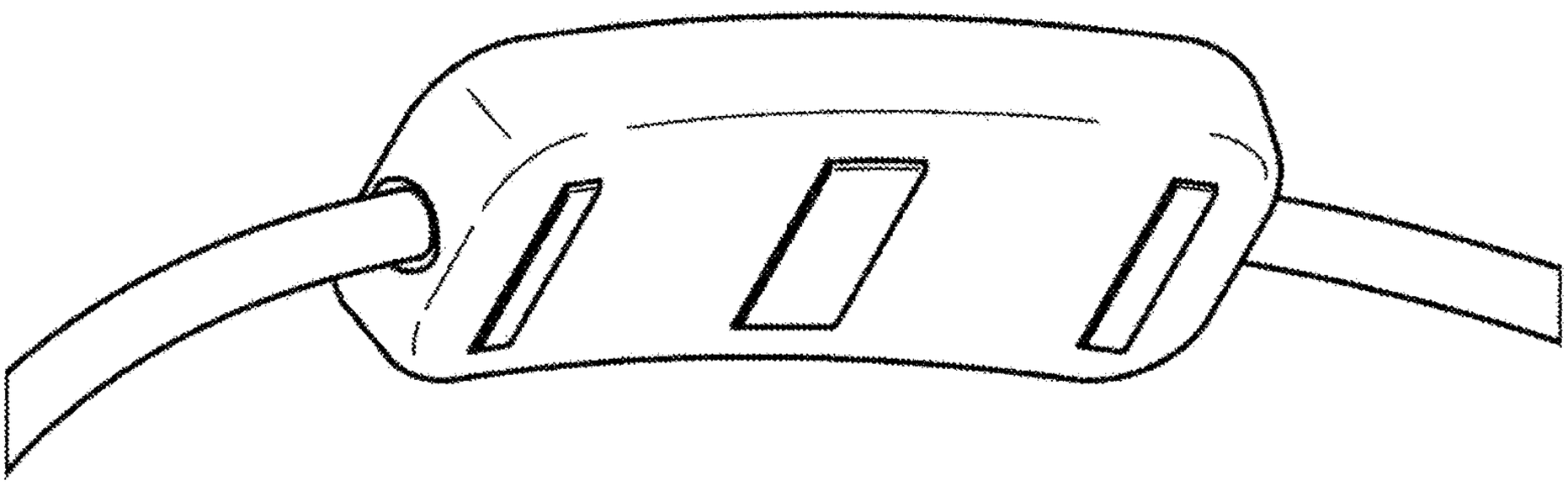


FIG. 11

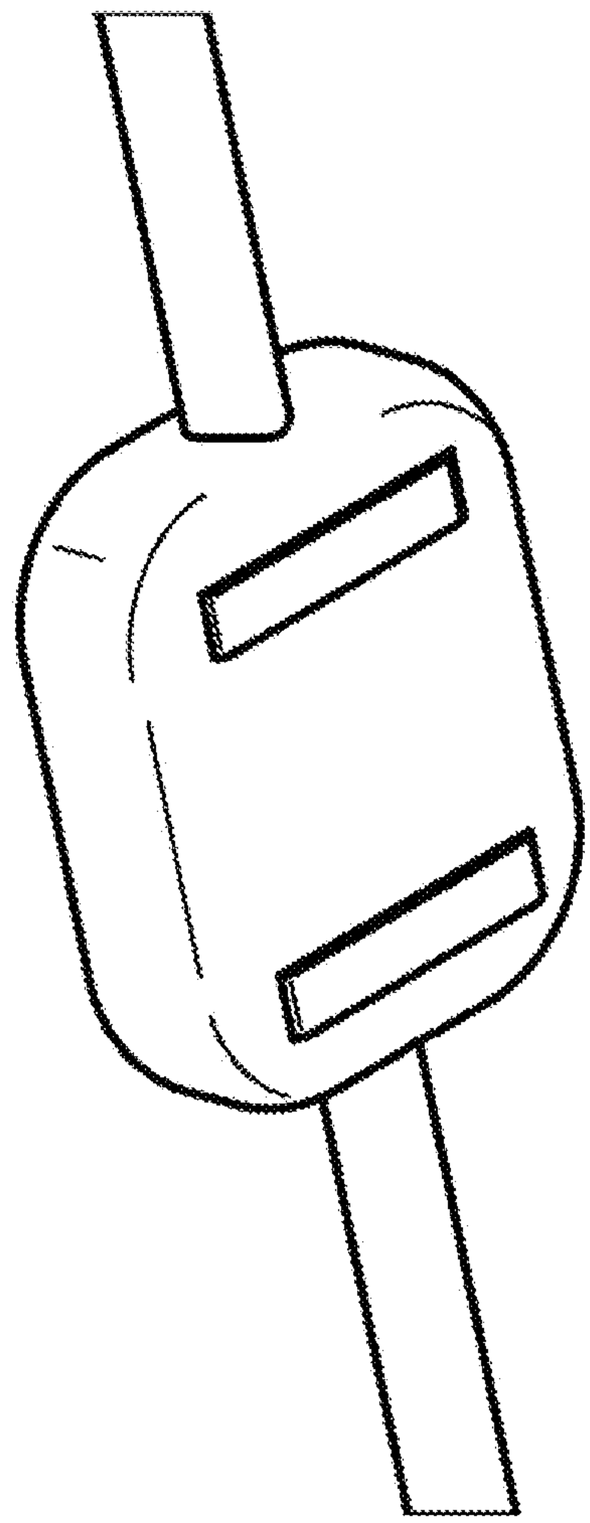


FIG. 12

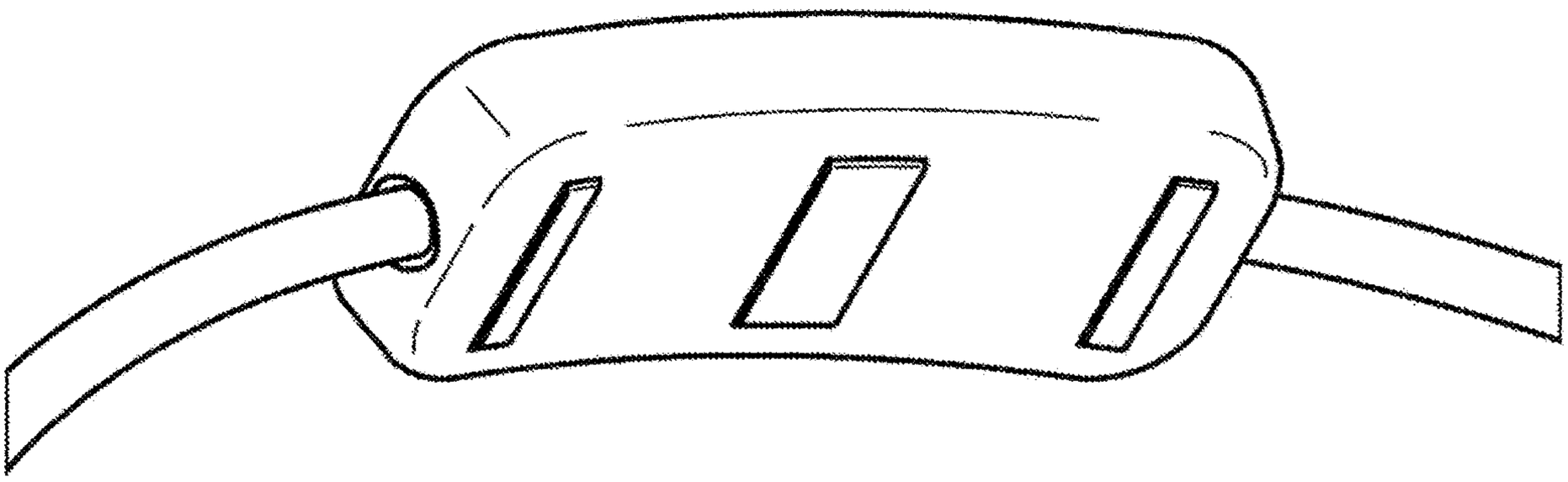


FIG. 13

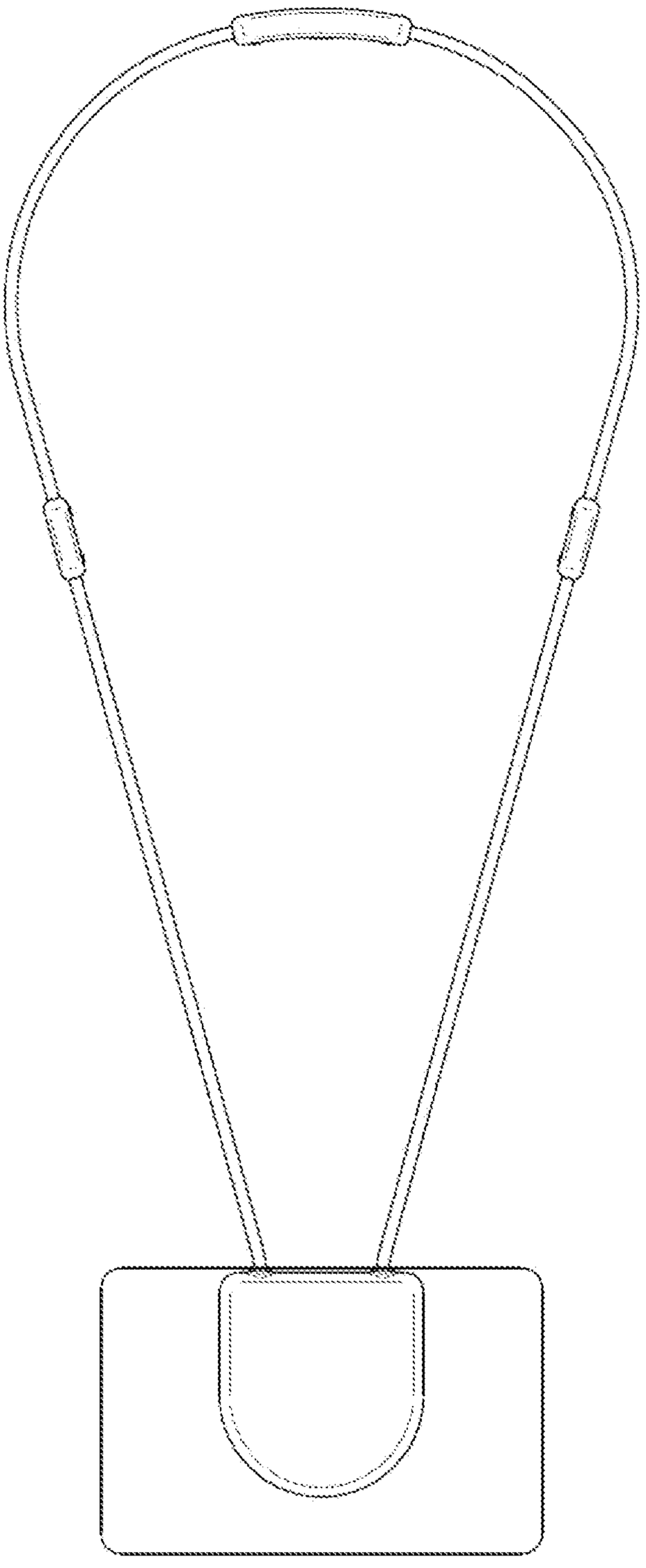


FIG. 14

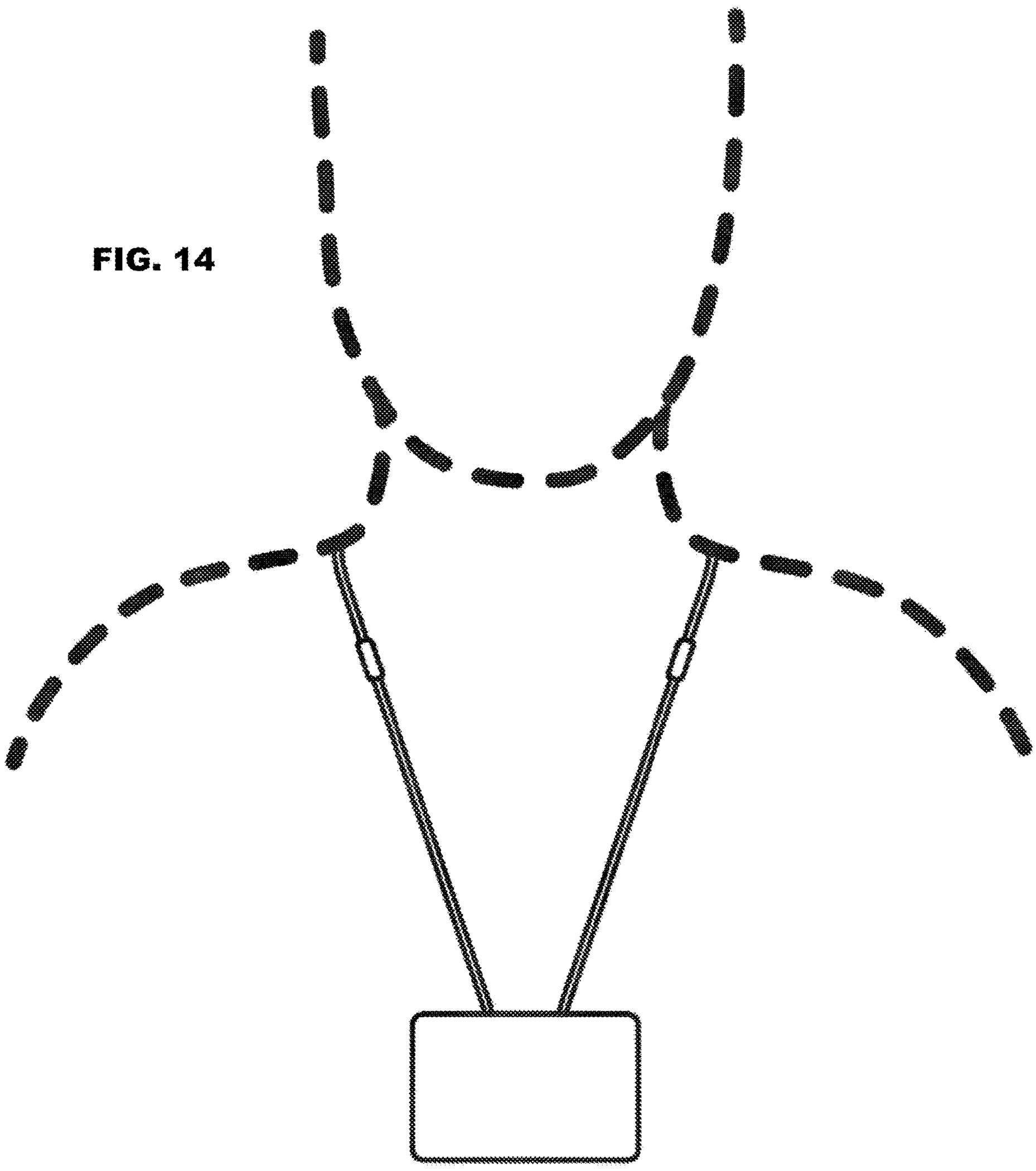


FIG. 15

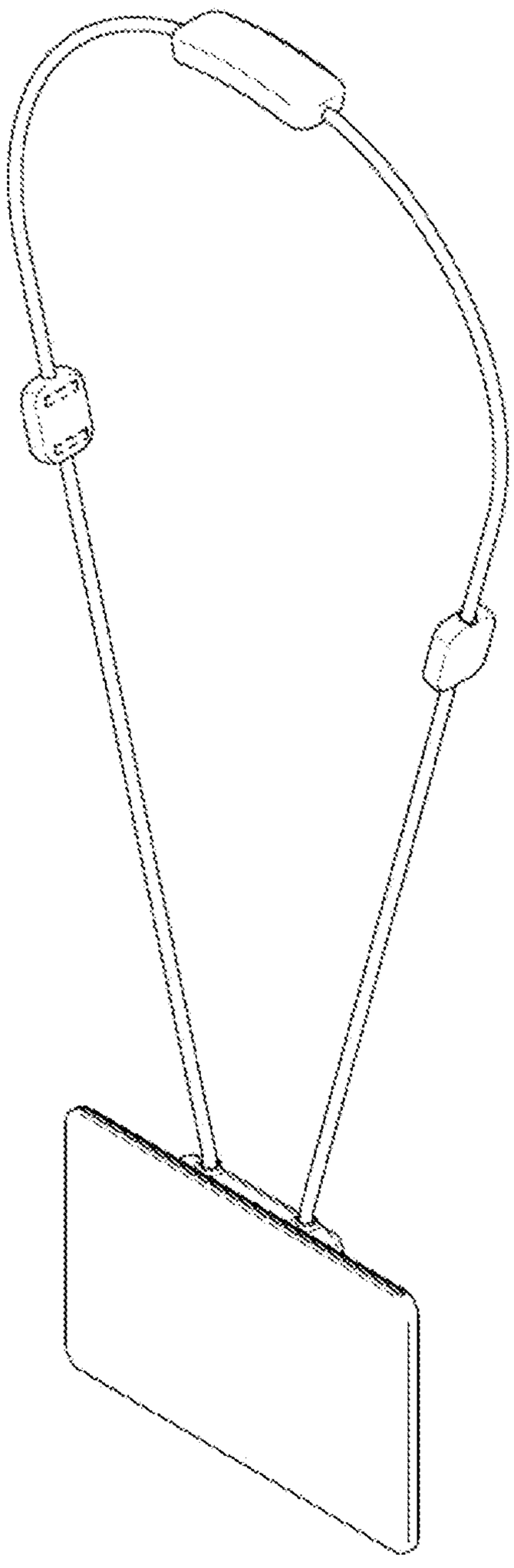


FIG. 16

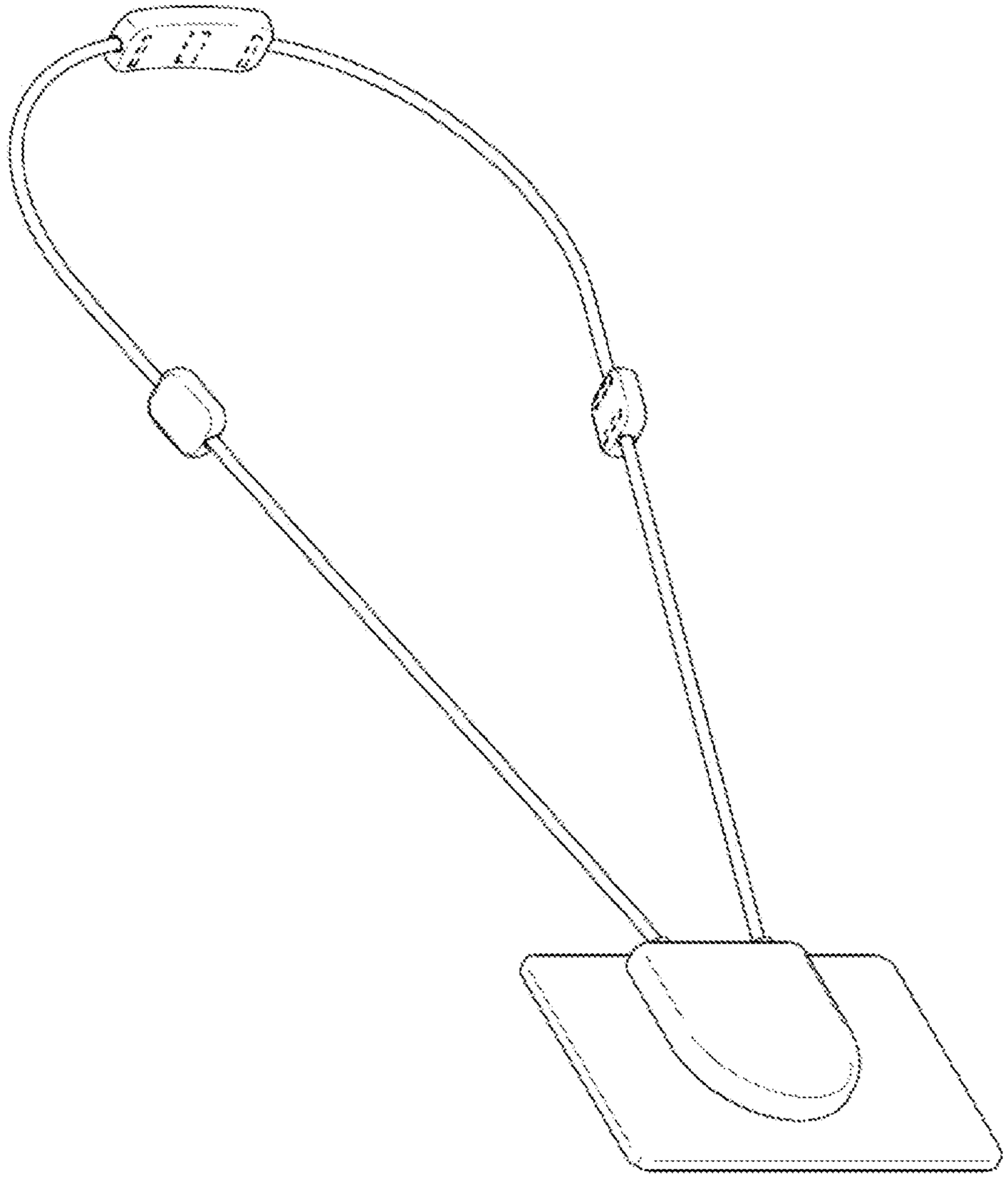


FIG. 17

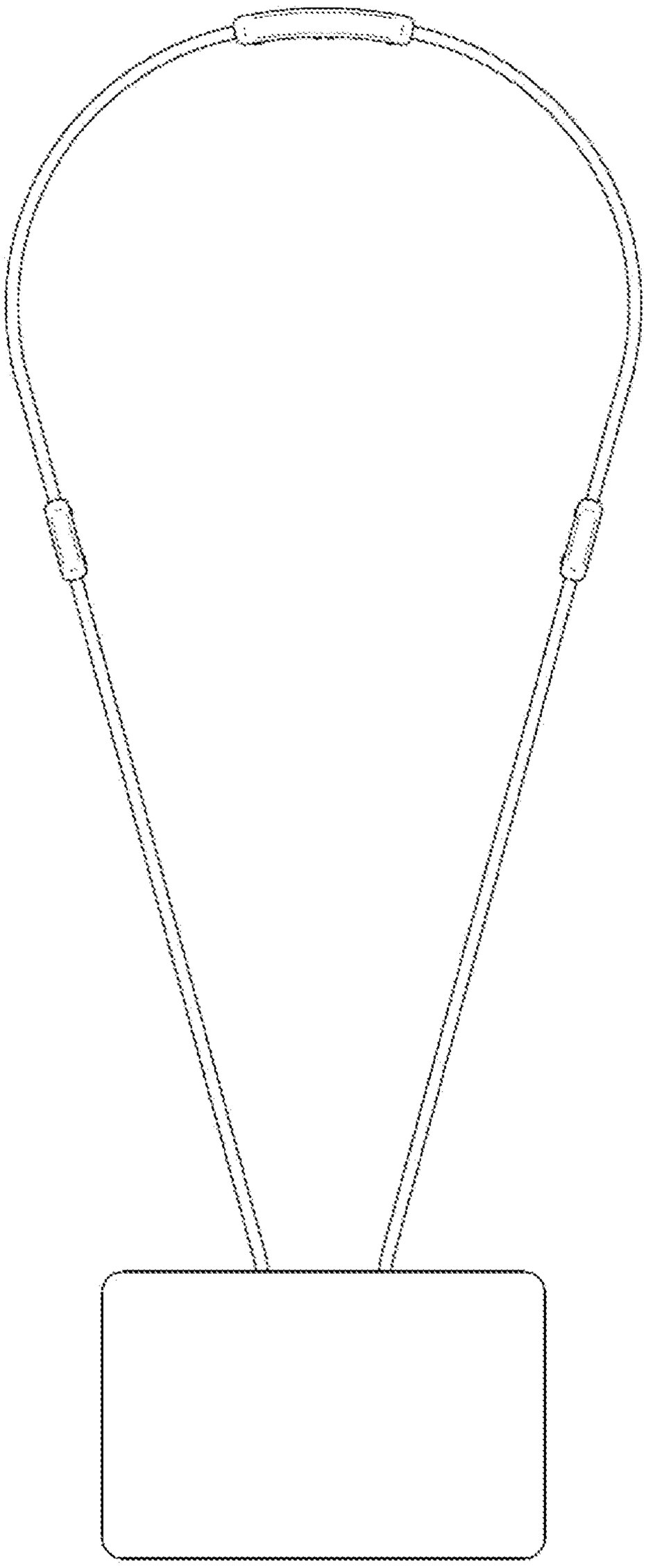


FIG. 18

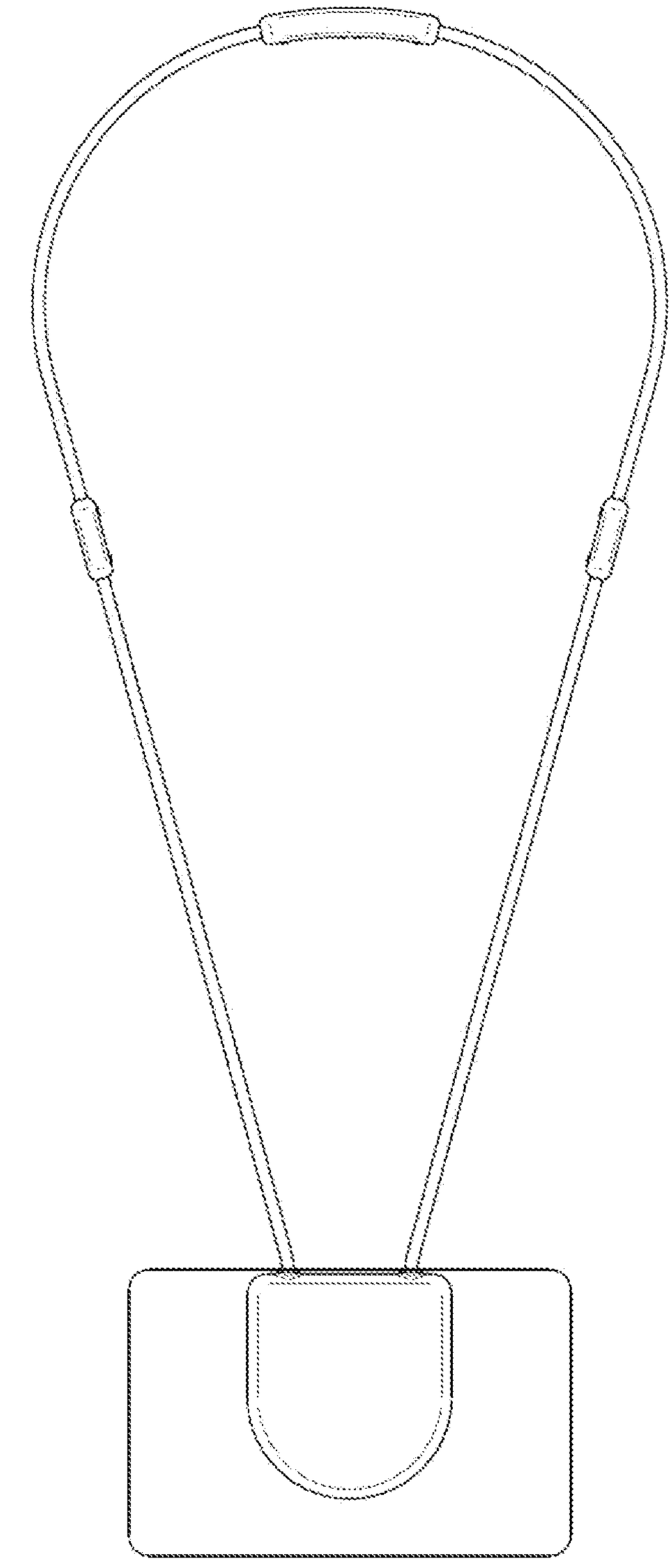


FIG. 19

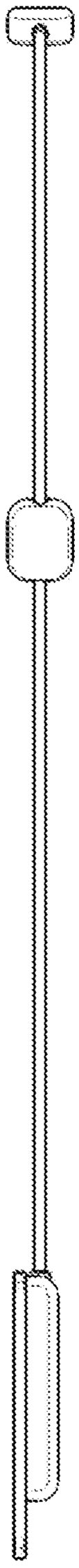


FIG. 20

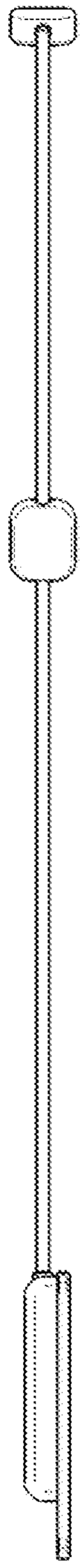


FIG. 21

FIG. 22

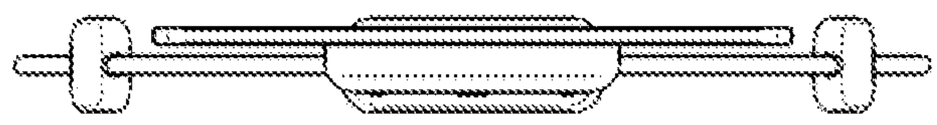


FIG. 23

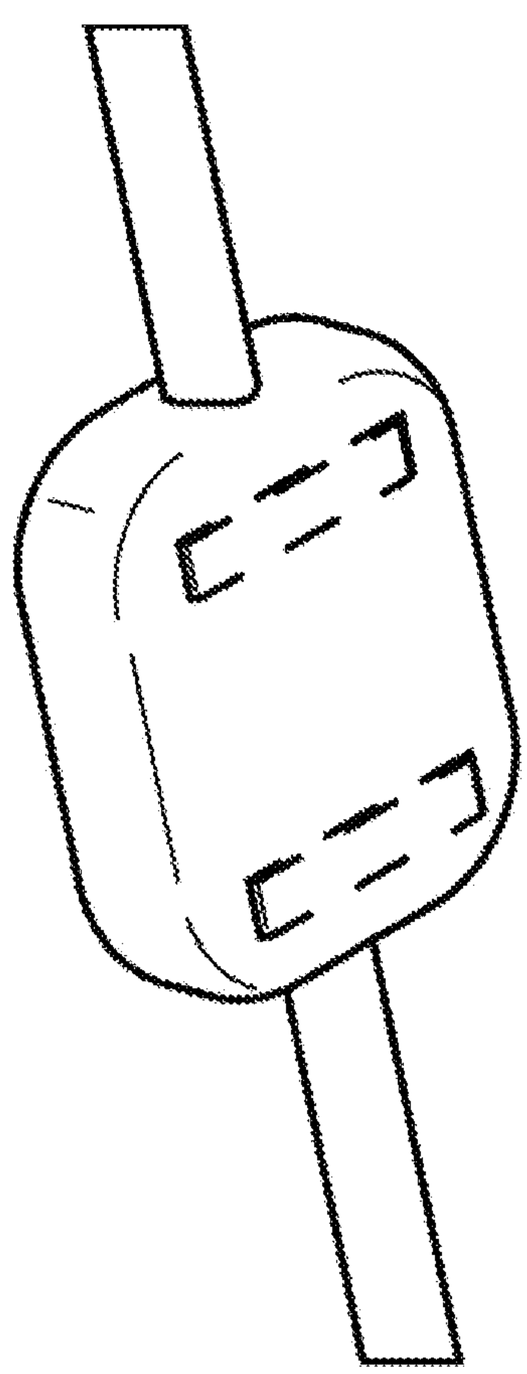


FIG. 24

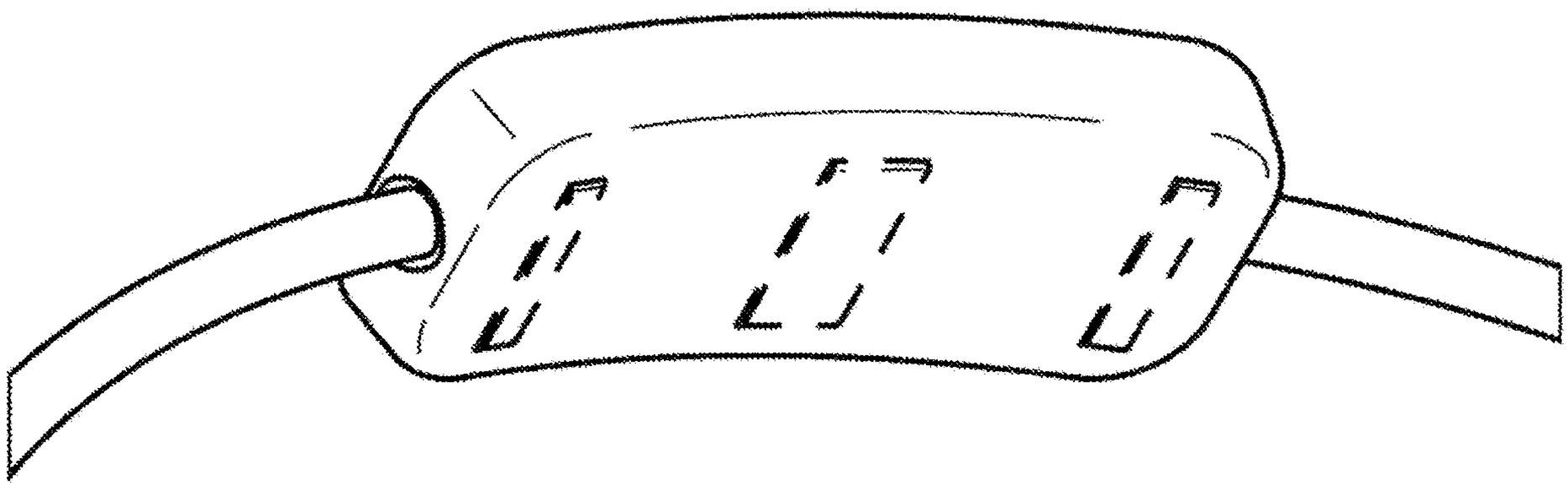


FIG. 25

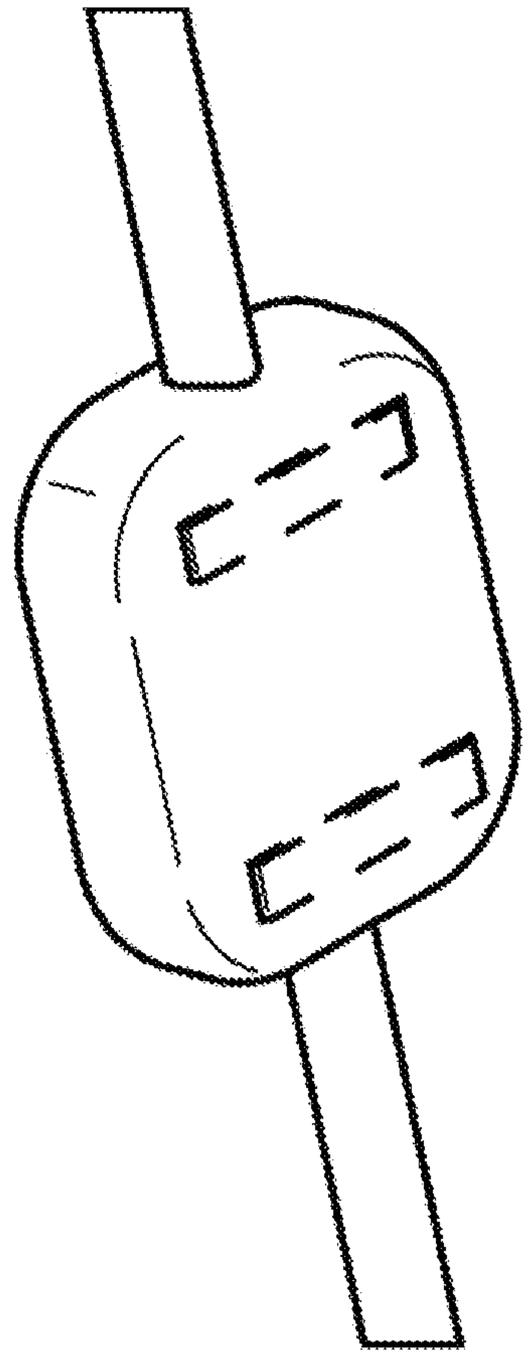
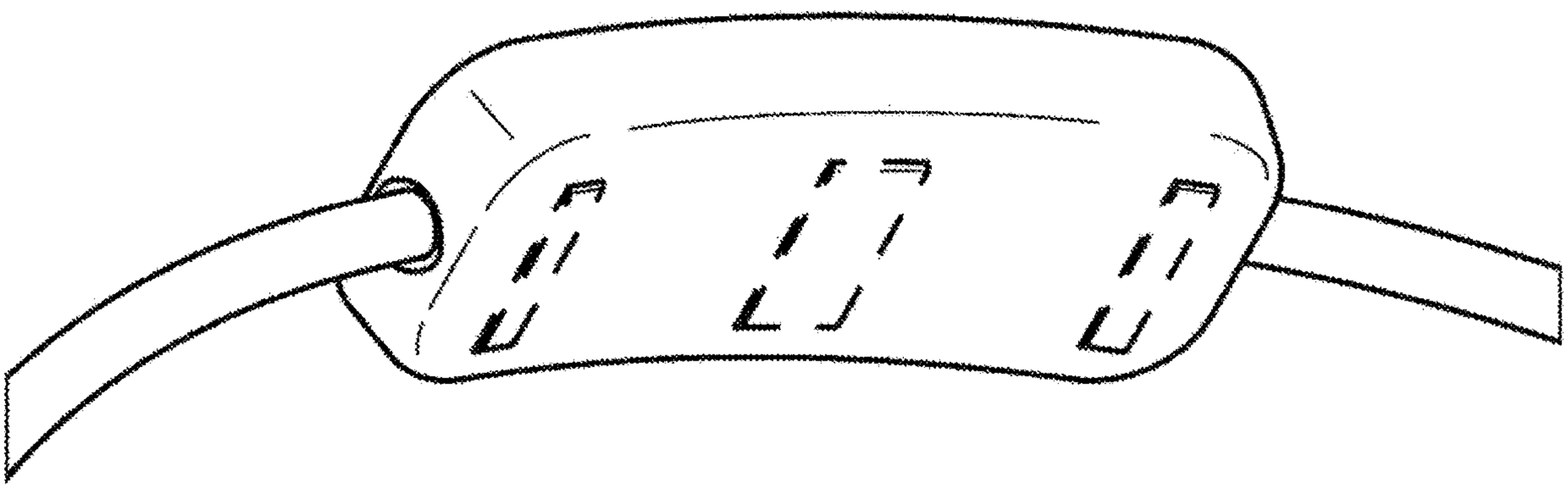


FIG. 26



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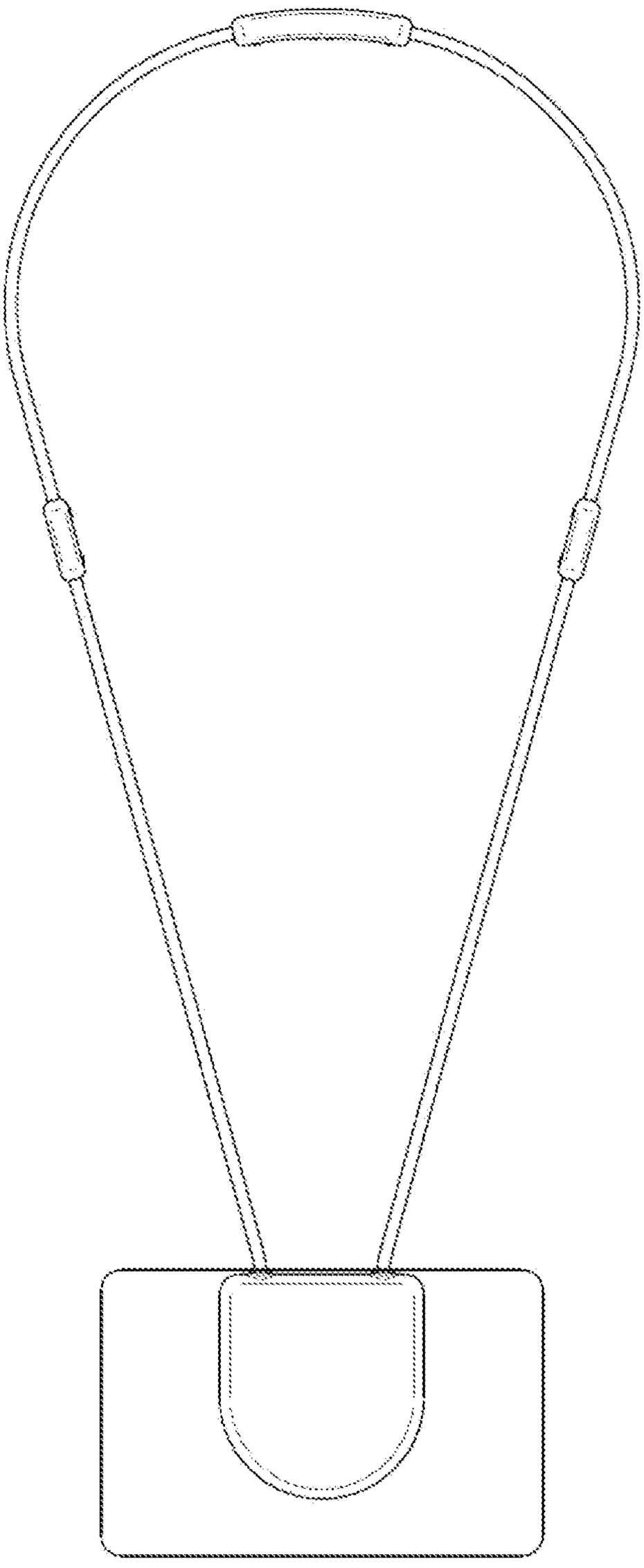

FIG. 28