



US00D810594S

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

(10) **Patent No.:** **US D810,594 S**

(45) **Date of Patent:** **** Feb. 20, 2018**

(54) **PROXIMITY SENSOR HOUSING**

- (71) Applicant: **Rockwell Automation Technologies, Inc.**, Mayfield Heights, OH (US)
- (72) Inventor: **Roberto S. Santos**, Hudson, MA (US)
- (73) Assignee: **Rockwell Automation Technologies, Inc.**, Mayfield Heights, OH (US)

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

(21) Appl. No.: **29/571,555**

(22) Filed: **Jul. 19, 2016**

(51) **LOC (11) Cl.** **10-04**

(52) **U.S. Cl.**
USPC **D10/70**

(58) **Field of Classification Search**

USPC D10/70
 CPC G08B 21/0288; G08B 21/0291; G08B 21/0202; G08B 21/0438; G08B 21/0446; G08B 21/0453; G08B 21/0461; G08B 21/0469; G08B 21/0484; G08B 21/0492; G08B 21/08; G08B 21/10; G08B 21/12; G08B 21/14; G08B 21/16; G08B 21/18
 See application file for complete search history.

(56) **References Cited**

U.S. PATENT DOCUMENTS

- 4,785,240 A * 11/1988 Newell H03K 17/9505
200/303
- 4,869,119 A * 9/1989 Bachand H03K 17/9505
174/535
- 5,196,792 A * 3/1993 Lafaye G01B 5/0004
324/207.16

OTHER PUBLICATIONS

“Inductive sensor uprox—Bi5U-Q08-AP6X2-V1131”, Hans Turck GmbH & Co.KG, May 5, 2001, retrieved on Jul. 1, 2016, 1 page.
 (Continued)

Primary Examiner — Antoine Duval Davis

(74) *Attorney, Agent, or Firm* — Amin, Turocy & Watson, LLP

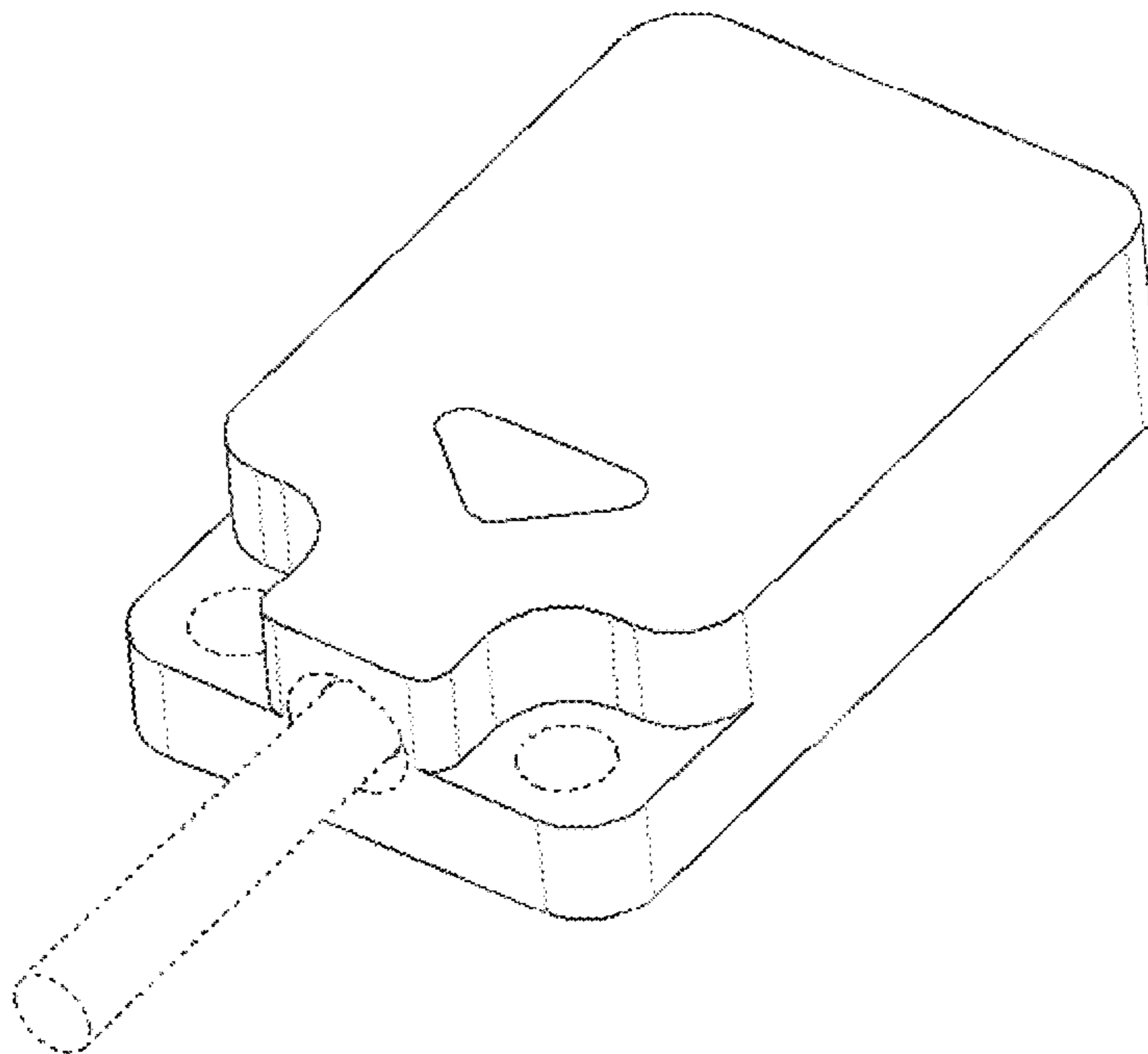
(57) **CLAIM**

The ornamental design for the proximity sensor housing, substantially as shown and described.

DESCRIPTION

FIG. 1 is an isometric view of an ornamental design for a proximity sensor housing.
 FIG. 2 is a front view of the ornamental design for the housing shown in FIG. 1.
 FIG. 3 is a rear view of the ornamental design for the housing shown in FIG. 1.
 FIG. 4 is a right side view of the ornamental design for the housing shown in FIG. 1.
 FIG. 5 is a left side view of the ornamental design for the housing shown in FIG. 1.
 FIG. 6 is a top view of the ornamental design for the housing shown in FIG. 1; and,
 FIG. 7 is a bottom view of the ornamental design for the housing shown in FIG. 1.
 The broken lines representing a proximity sensor cable entering the housing is for illustrative purposes only and form no part of the claimed design.

1 Claim, 7 Drawing Sheets



(56)

References Cited

OTHER PUBLICATIONS

“Inductive Sensor—NBB7-F104M-A0”, Pepperl+Fuchs Group, Apr. 4, 2012, retrieved on Jul. 1, 2016, 1 page.

“Inductive sensor—BI8U-Q08-AP6X2”, Hans Turck GmbH & Co.KG, Jun. 2014, retrieved on Jul. 1, 2016, 2 pages.

“Inductive sensor—BES R01ZC-NAC70B-BP05”, Balluff Germany, Nov. 8, 2015, retrieved on Jul. 1, 2016, 2 pages.

“Inductive sensor—BES 516-300-S279”, Balluff Germany, Jul. 18, 2015, retrieved on Jul. 1, 2016, 2 pages.

“Inductive sensor—BES R01EC-PSC50A-BP00,3-GS04-W51”, Balluff Germany, Jul. 19, 2015, retrieved on Jul. 1, 2016, 2 pages.

“Inductive sensor—BES 516-133-MO-C-S4-00,2”, Balluff Germany, Jul. 19, 2015, retrieved on Jul. 1, 2016, 2 pages.

“Inductive sensor—BI10-Q14-AP6X2”, Turck Inc., Dec. 2015, retrieved on Jul. 1, 2016, 3 pages.

“Inductive Proximity Sensors—Bulletin Nos. 802PR, 871C, 871D, 871E, 871FM, 871L, 871P, 871R, 871T, 871TM, 871TS, 871Z, 871ZC, 871ZT, 872C, 872L”, Allen-Bradley—Rockwell Automation, Inc., Publication PROX-TD001B-EN-P—Aug. 2015, retrieved Jul. 1, 2016, 116 pages.

* cited by examiner

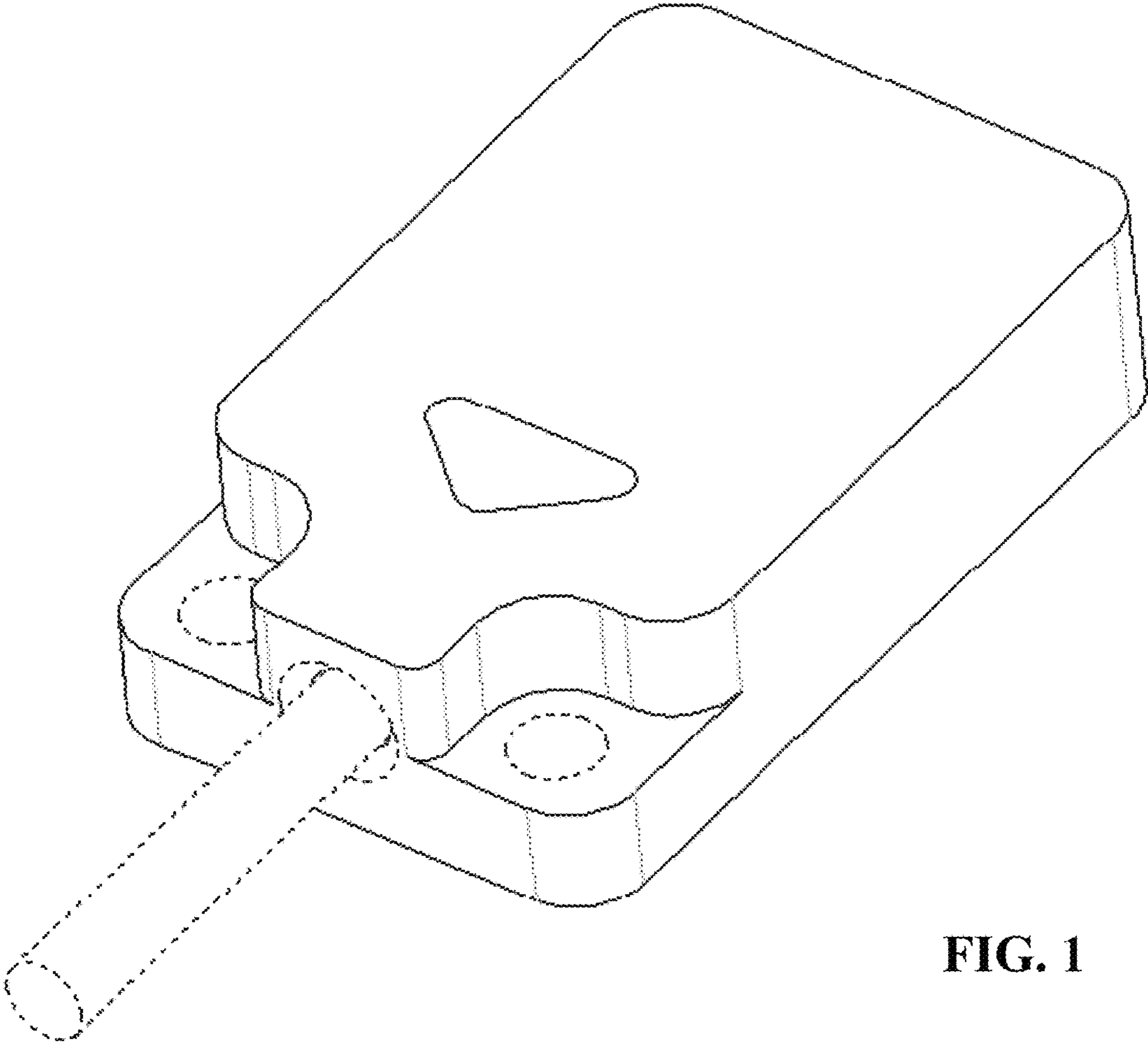


FIG. 1

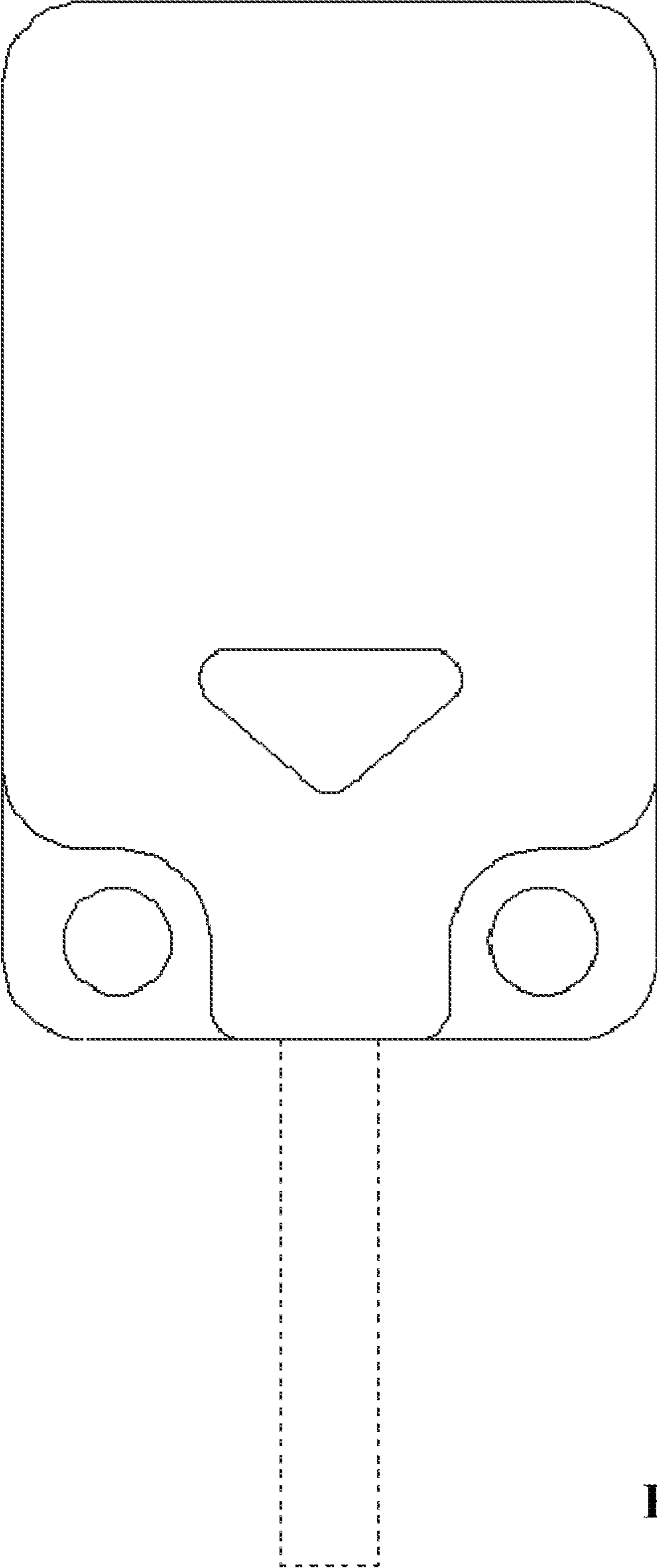


FIG. 2

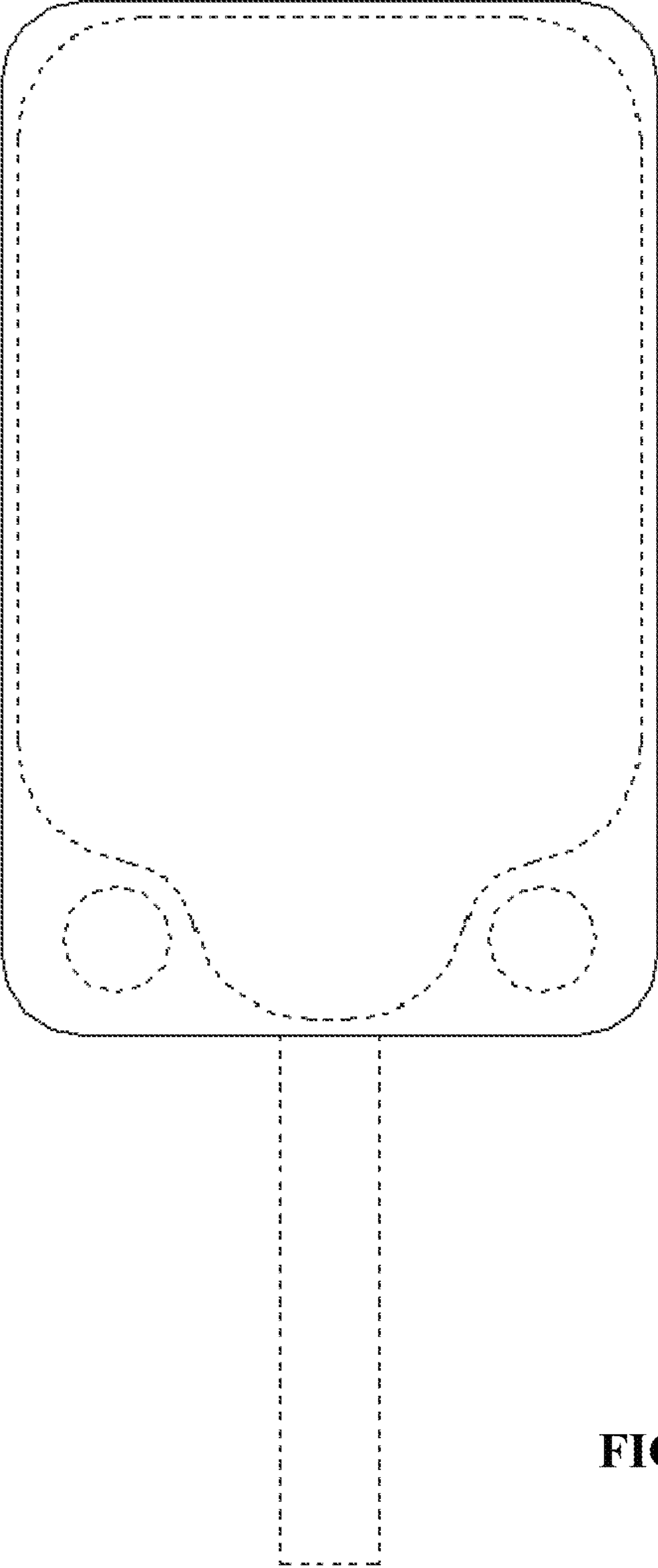


FIG. 3

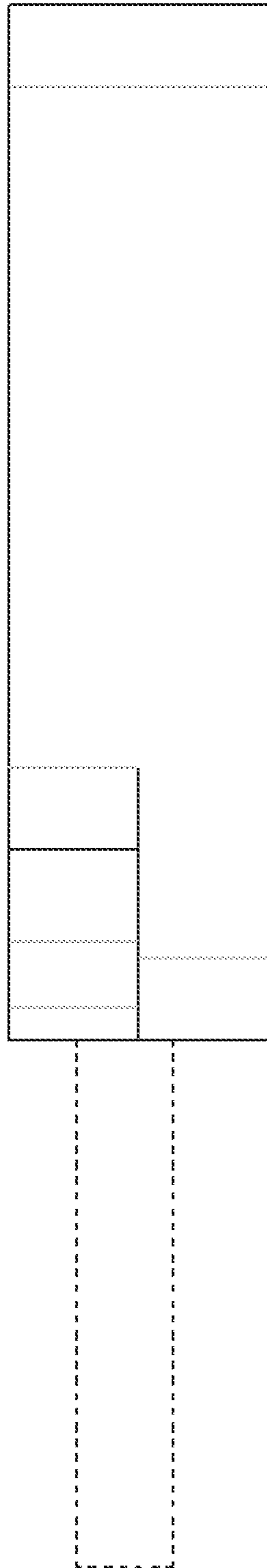


FIG. 4

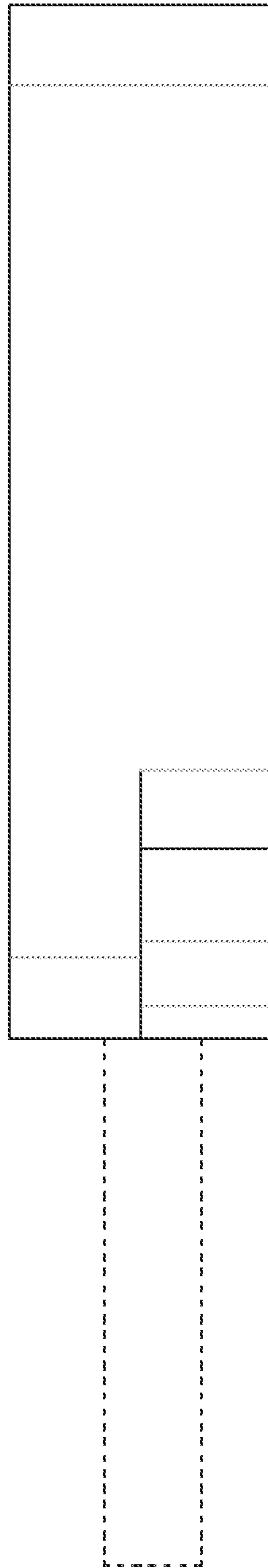


FIG. 5

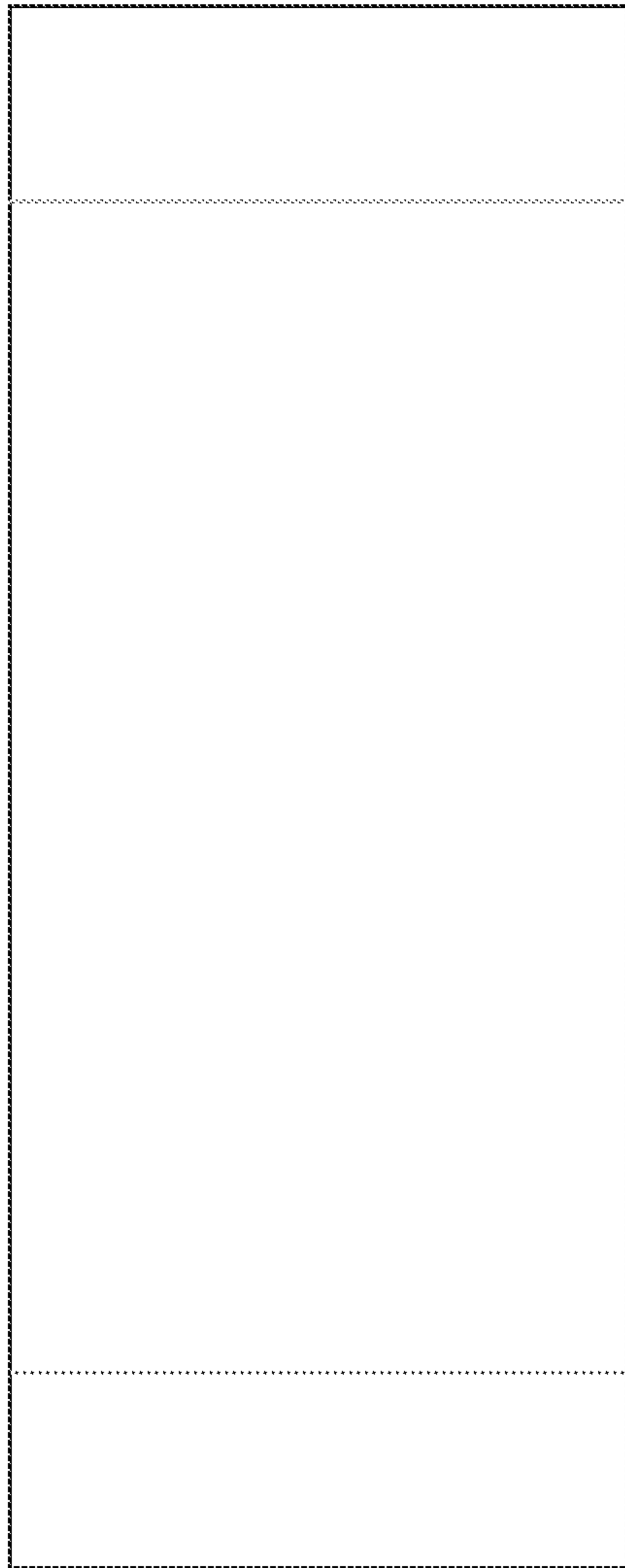


FIG. 6

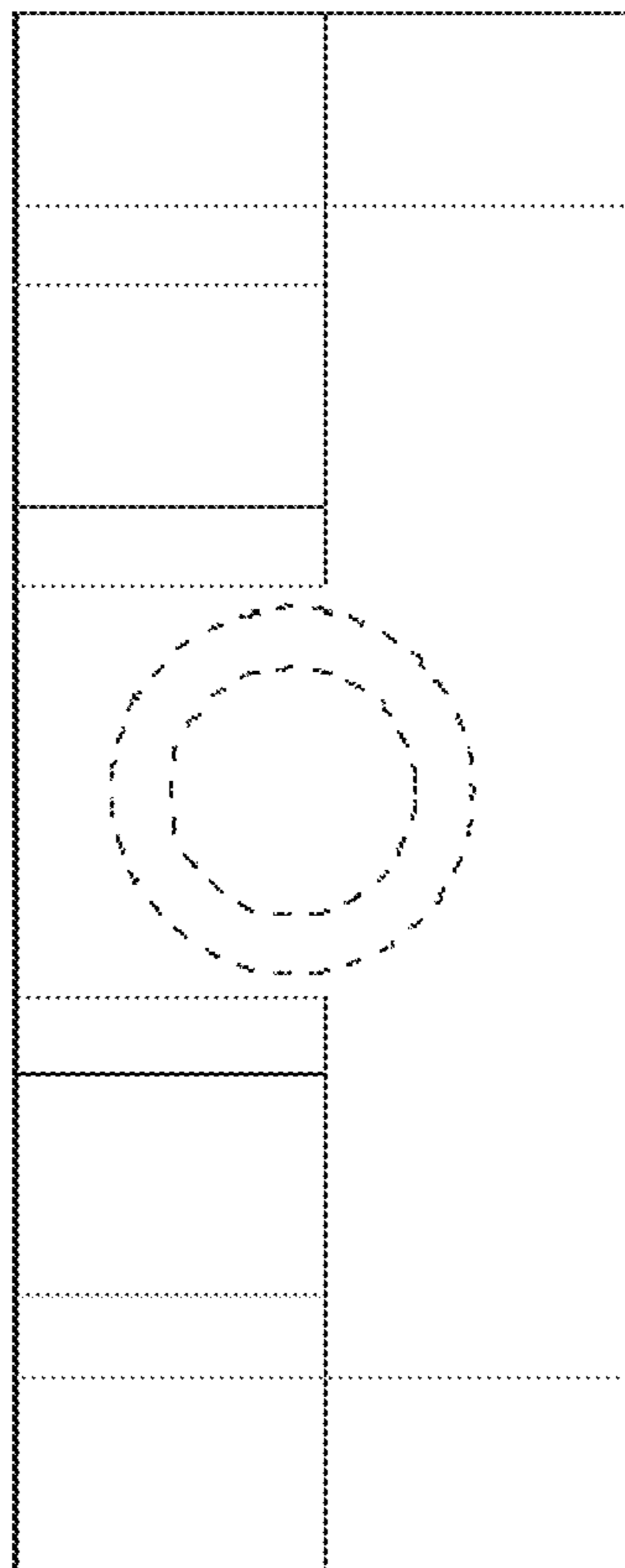


FIG. 7