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(12) **United States Design Patent** (10) **Patent No.:** **US D900,179 S**  
**Yarka et al.** (45) **Date of Patent:** **\*\* Oct. 27, 2020**

(54) **EXTRUDER FOR A THREE-DIMENSIONAL PRINTER**

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(73) Assignee: **MakerBot Industries, LLC**, Brooklyn, NY (US)

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

(21) Appl. No.: **29/684,317**

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(51) **LOC (12) Cl.** ..... **15-09**

(52) **U.S. Cl.**  
USPC ..... **D15/138**

(58) **Field of Classification Search**

USPC .... D15/122, 135, 138, 141; D18/56, 14, 19, D18/50, 54, 54.1, 55, 59

CPC ..... B22F 3/105; B22F 3/008; B29C 35/00; B29C 35/02; B29C 35/04; B29C 35/06; B29C 35/08; B29C 35/10; B29C 35/12; B29C 35/14; B29C 35/16; B29C 35/18; B29C 37/00; B29C 37/02; B29C 37/04; B29C 67/00; B29C 67/02; B29C 67/04; B29C 67/06; B29C 67/08; B29C 67/20; B29C 67/24; B29C 69/00; B29C 69/02; B29C 70/00; B29C 70/02; B29C 70/04;

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(57) **CLAIM**

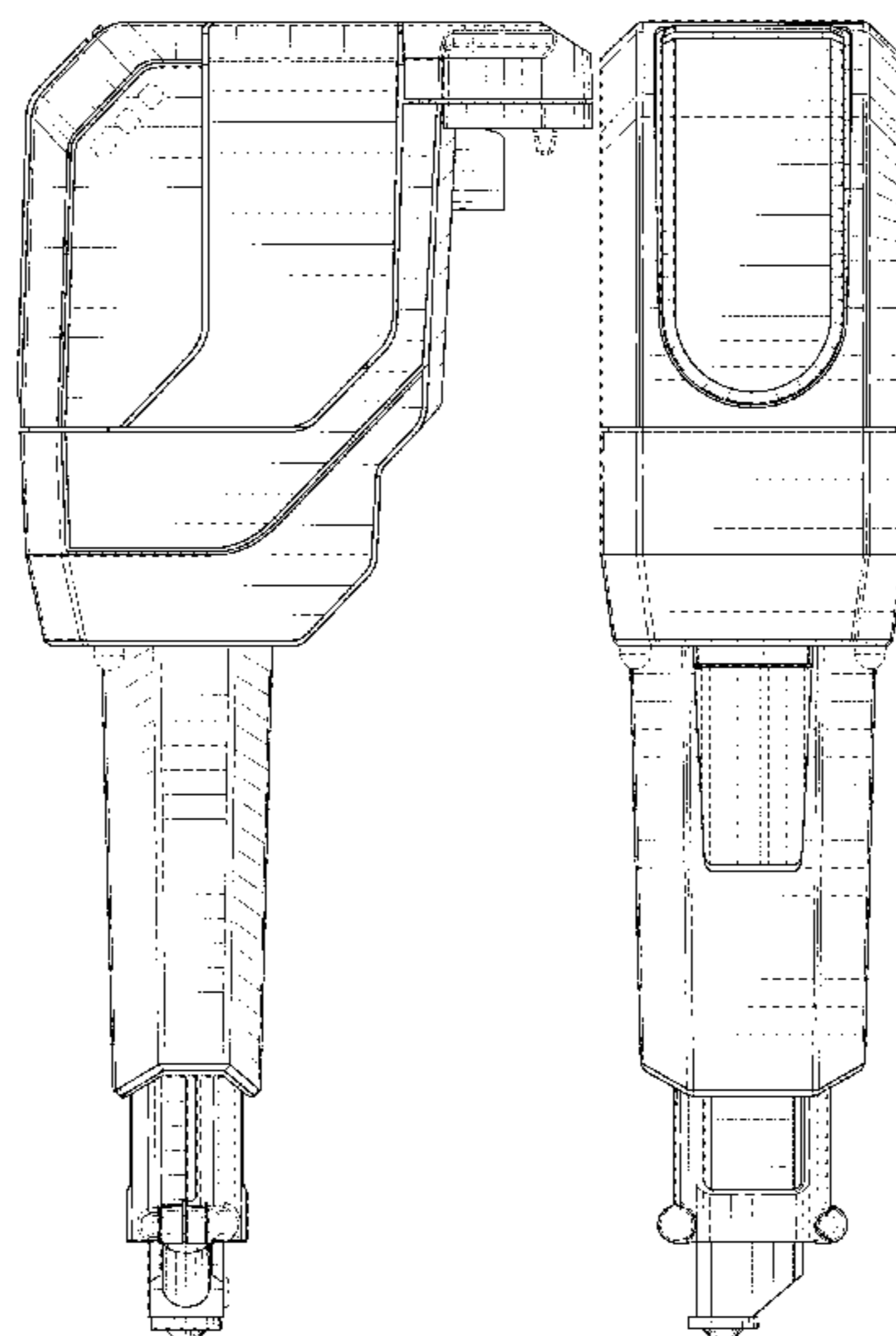
The ornamental design for an extruder for a three-dimensional printer, as shown and described.

**DESCRIPTION**

FIG. 1 is a front, right side perspective view of an extruder for a three-dimensional printer;  
FIG. 2 is a bottom view thereof;  
FIG. 3 is a top view thereof;  
FIG. 4 is a left side view thereof;  
FIG. 5 is a right side view thereof;  
FIG. 6 is a front view thereof; and,  
FIG. 7 is a rear view thereof

The broken lines immediately adjacent to the claim depict the bounds of the claimed design, while all other broken lines are directed to environment. The broken lines form no part of the claimed design. The attached Appendix includes additional images and drawings of the extruder for a three-dimensional printer.

**1 Claim, 5 Drawing Sheets**



(58) **Field of Classification Search**

CPC ..... B29C 70/06; B29C 70/08; B29C 70/10;  
 B29C 70/12; B29C 70/14; B29C 70/16;  
 B29C 70/18; B29C 70/20; B29C 70/22;  
 B29C 70/24; B29C 70/26; B29C 70/28;  
 B29C 41/12; B29C 41/36; B29C 67/0081;  
 B41J 2/155; B41J 2/17513; B41J  
 2/17556; B41J 2/17596; B41J 2/16552;  
 B41J 2/16541; B41J 2002/20; B41J  
 2002/14475; B29K 2995/0021

See application file for complete search history.

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 "MakerBot Smart Extruder+ for the Replicator, Replicator+, Mini and Mini+", 4 pages.

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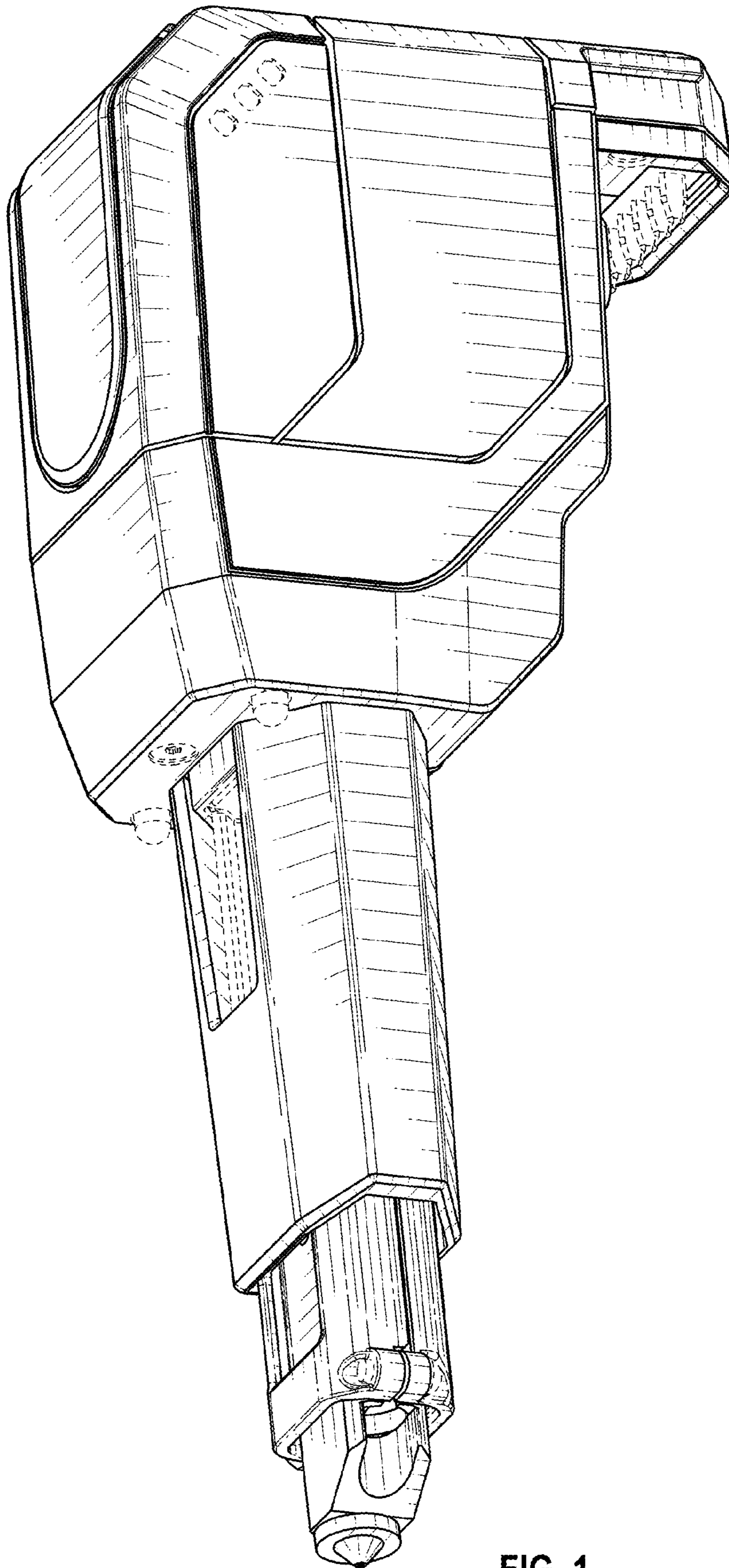


FIG. 1



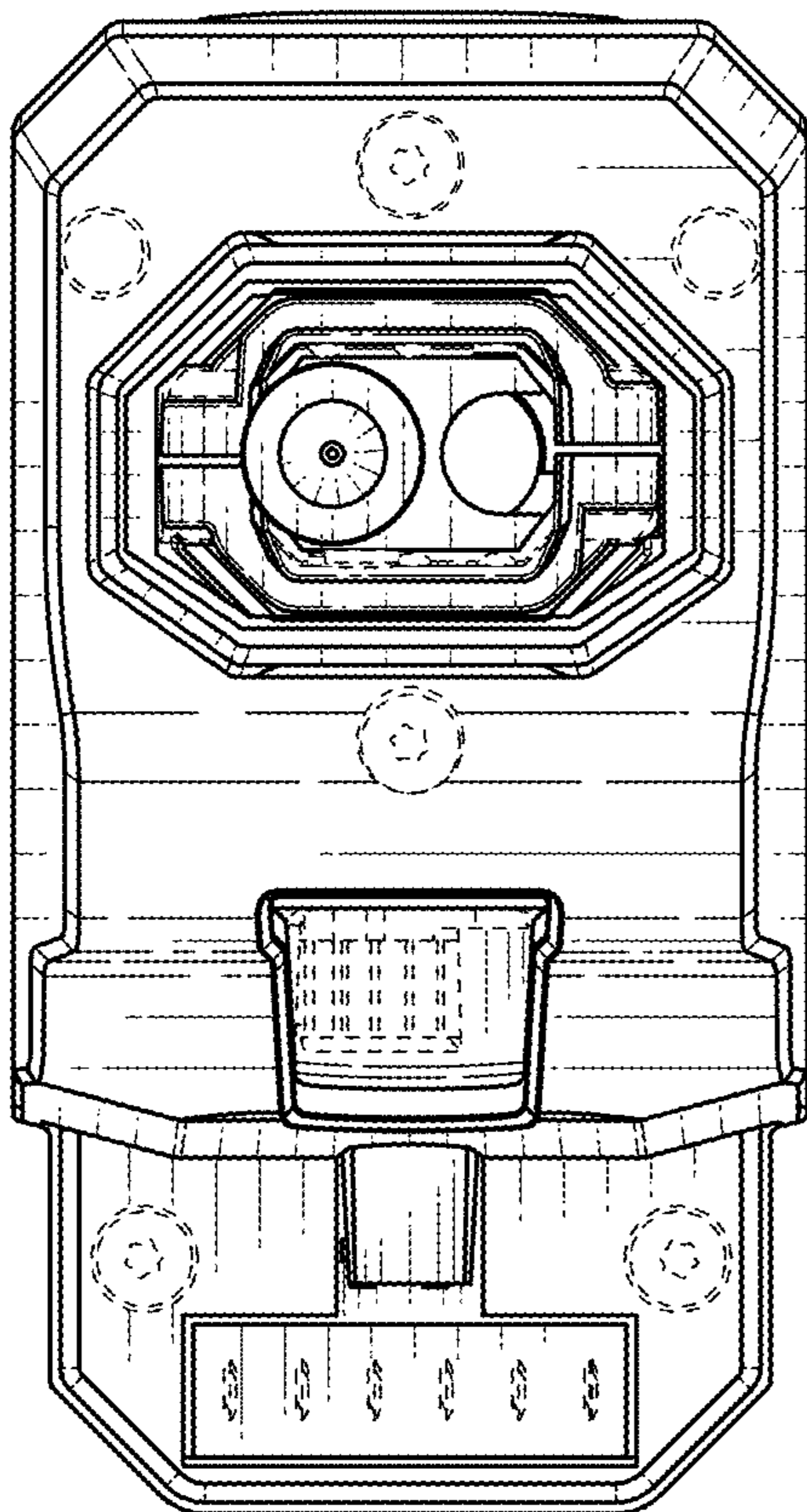


FIG. 2

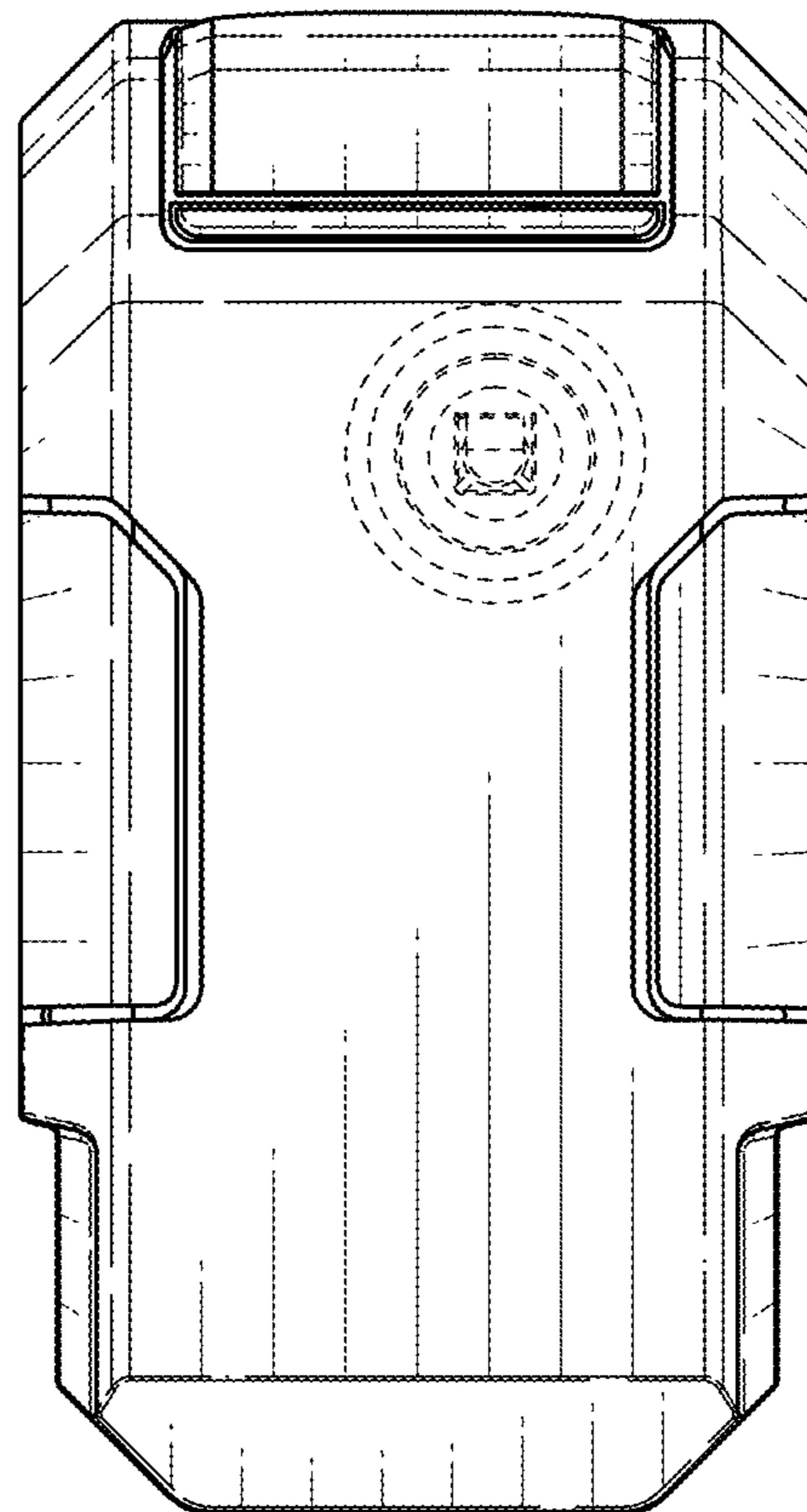


FIG. 3

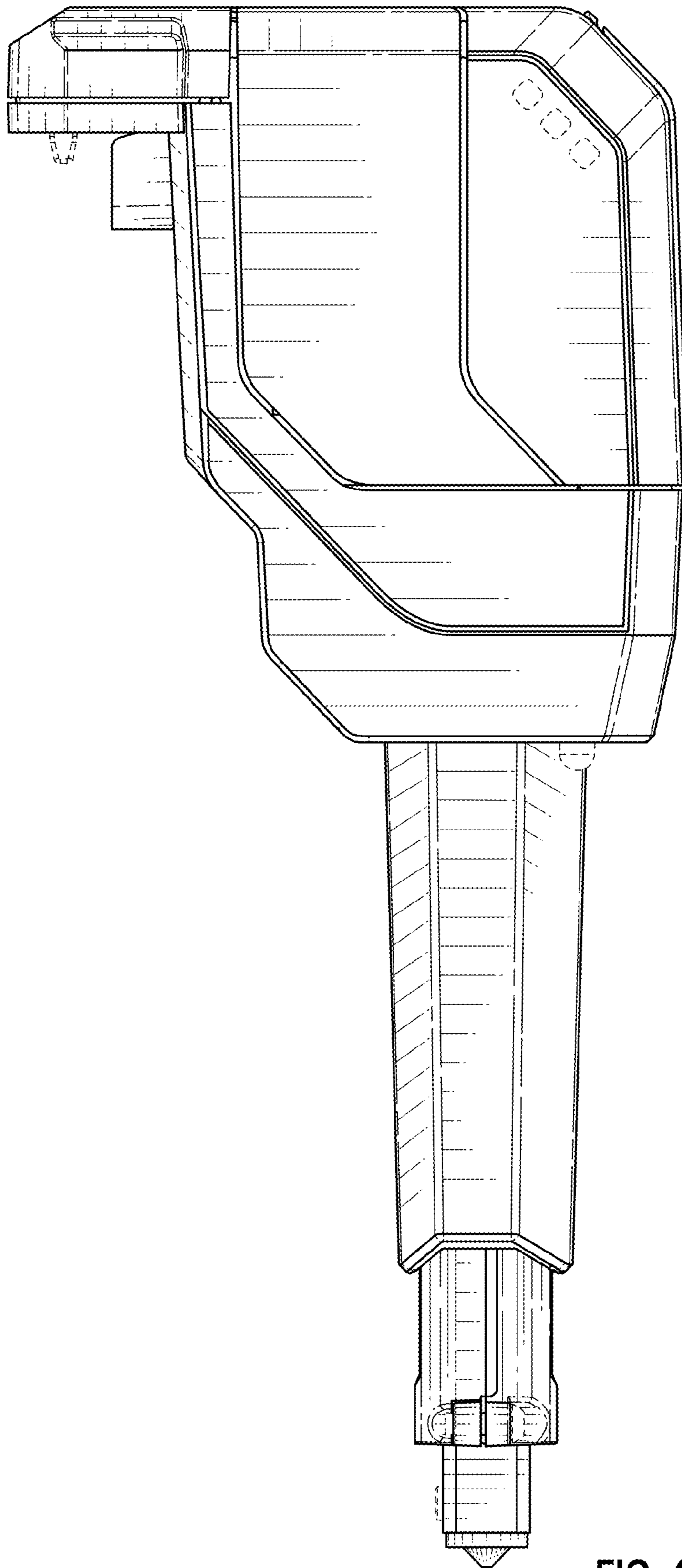


FIG. 4

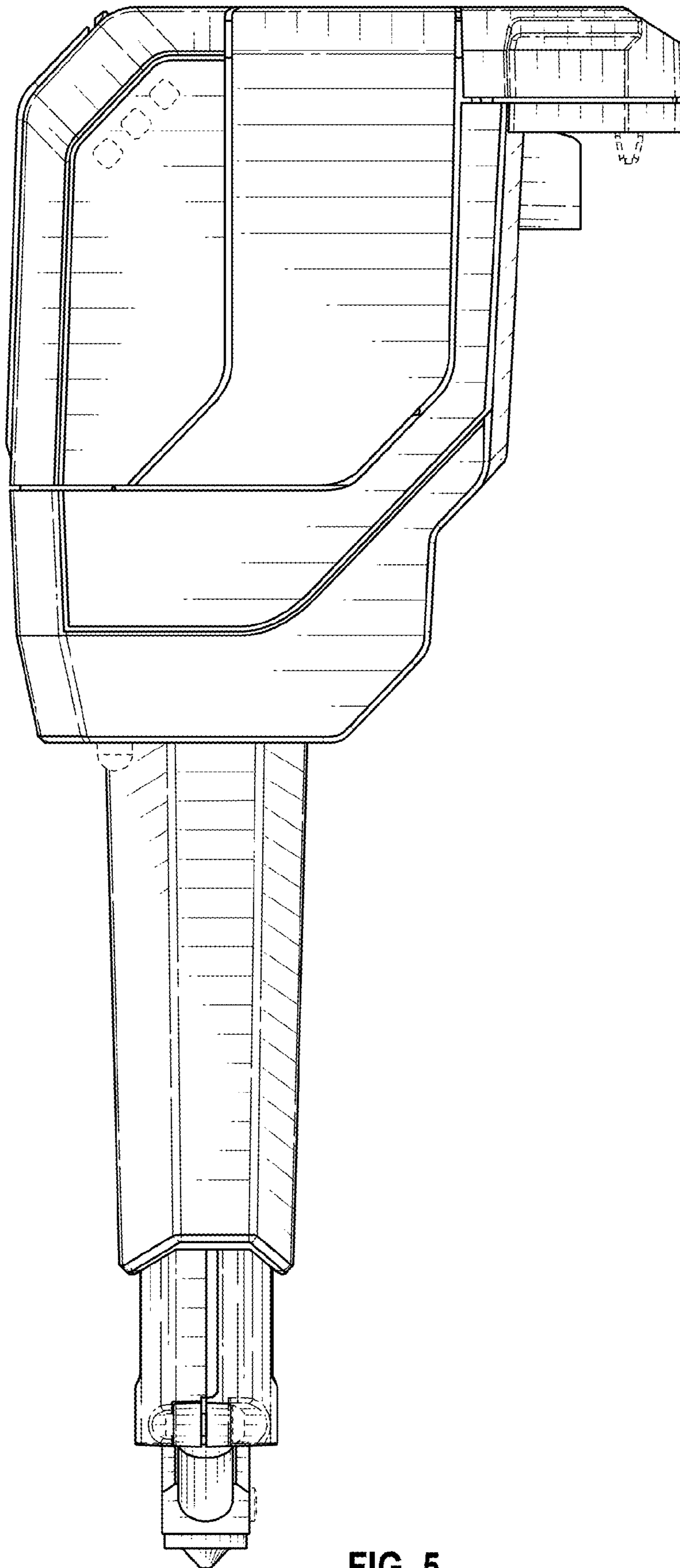


FIG. 5

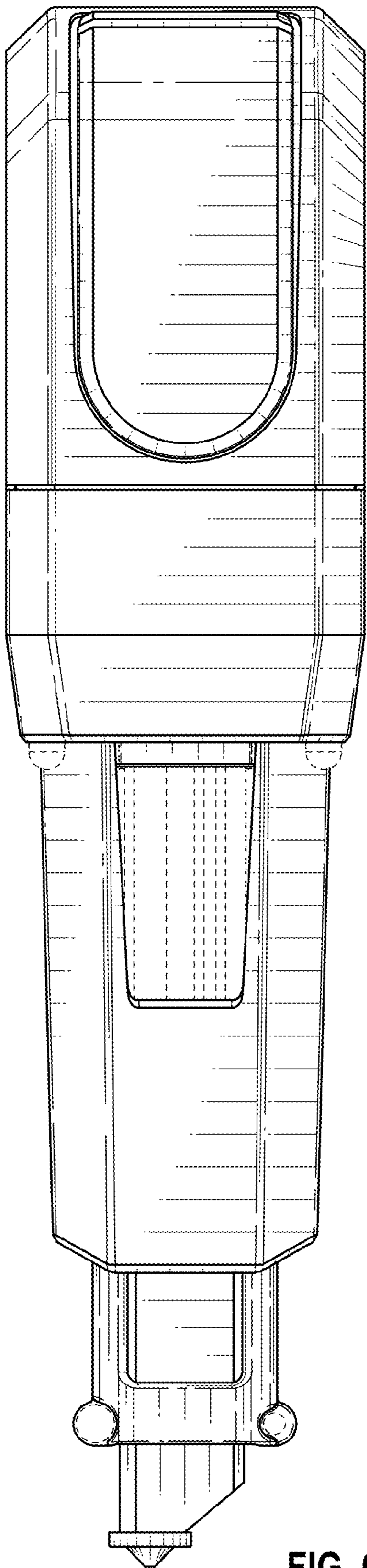


FIG. 6

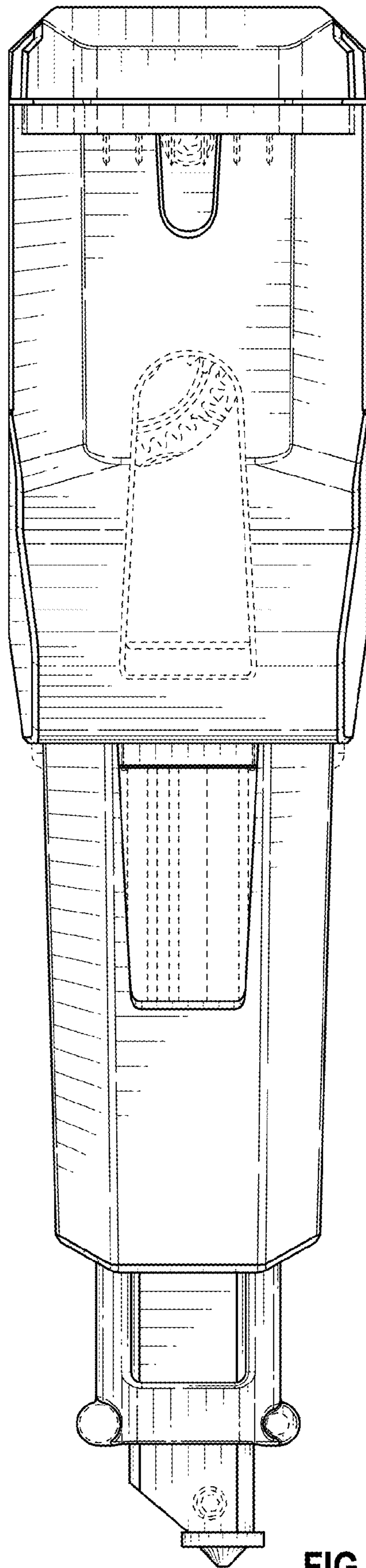


FIG. 7