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(12) **United States Design Patent** (10) **Patent No.:** **US D991,815 S**  
**Sherman et al.** (45) **Date of Patent:** **\*\* Jul. 11, 2023**

(54) **AIR CONDITIONING REFRIGERANT CHARGING DEVICE WITH DIGITAL GAUGE**

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(71) Applicant: **Energizer Auto, Inc.**, St. Louis, MO (US)

(57) **CLAIM**

The ornamental design for an air conditioning refrigerant charging device with digital gauge, as shown and described.

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**DESCRIPTION**

FIG. 1 is a front perspective view of a first embodiment of an air conditioning refrigerant charging device with digital gauge in accordance with the claimed design; FIG. 2 is a left side elevation view thereof; FIG. 3 is a right side elevation view thereof; FIG. 4 is a top view thereof; FIG. 5 is a bottom view thereof; FIG. 6 is a rear elevation thereof; and FIG. 7 is a front elevation view thereof. FIG. 8 is a front perspective view of a second embodiment of an air conditioning refrigerant charging device with digital gauge in accordance with the claimed design; FIG. 9 is a left side elevation view thereof; FIG. 10 is a right side elevation view thereof; FIG. 11 is a top view thereof; FIG. 12 is a bottom view thereof; FIG. 13 is a rear elevation thereof; and FIG. 14 is a front elevation view thereof. FIG. 15 is a front perspective view of a third embodiment of an air conditioning refrigerant charging device with digital gauge in accordance with the claimed design; FIG. 16 is a left side elevation view thereof; FIG. 17 is a right side elevation view thereof; FIG. 18 is a top view thereof; FIG. 19 is a bottom view thereof; FIG. 20 is a rear elevation thereof; and FIG. 21 is a front elevation view thereof.

The broken lines in the FIGURES represent unclaimed subject matter and form no part of the claimed design.

(73) Assignee: **Energizer Auto, Inc.**, St. Louis, MO (US)

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

(21) Appl. No.: **29/795,337**

(22) Filed: **Jun. 17, 2021**

**Related U.S. Application Data**

(62) Division of application No. 29/690,674, filed on May 9, 2019, now Pat. No. Des. 924,708.

(51) **LOC (14) Cl.** ..... **10-04**

(52) **U.S. Cl.**  
USPC ..... **D10/84**

(58) **Field of Classification Search**  
USPC ..... D10/83, 84, 85  
CPC ..... F25B 45/00; F25B 2345/001; F25B 2345/002; F25B 2345/006; F25B 2700/04; F25B 2700/19; Y10S 62/22  
See application file for complete search history.

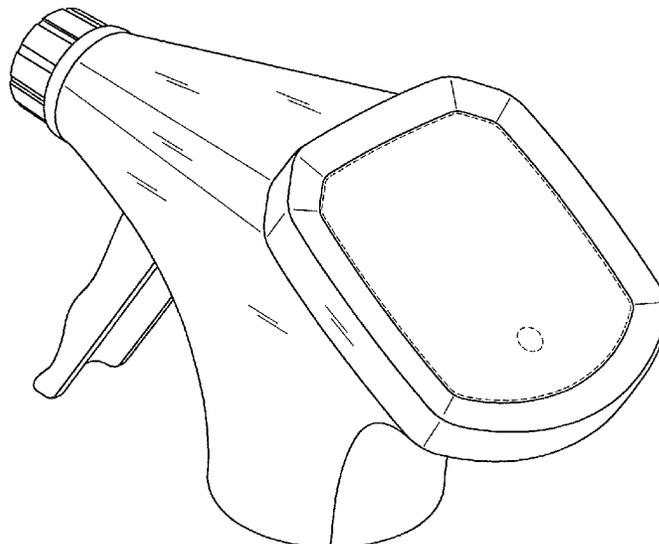
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**1 Claim, 21 Drawing Sheets**



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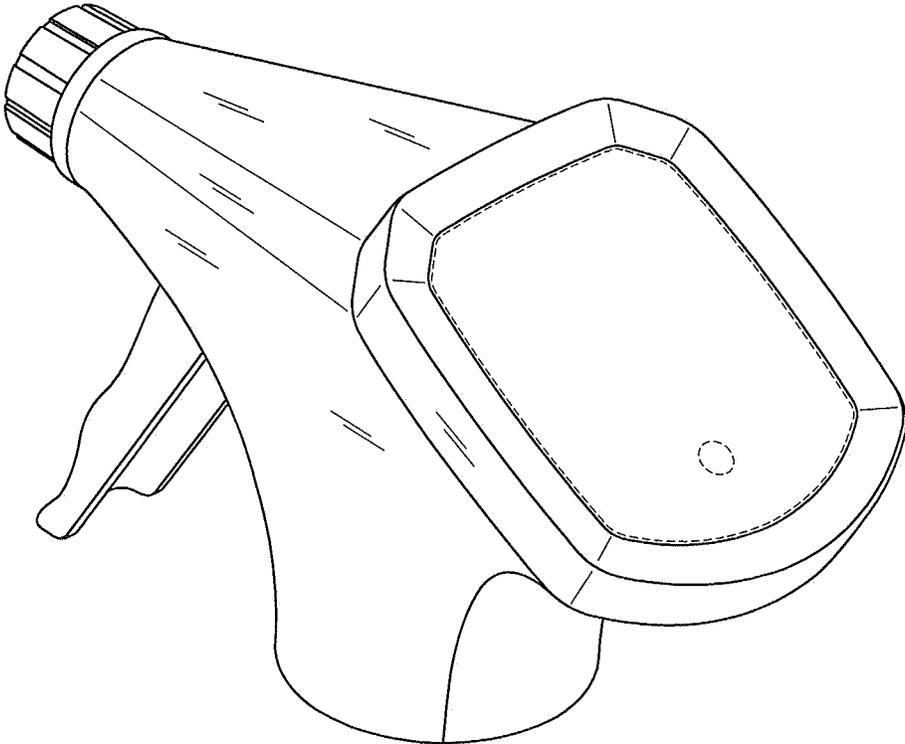


FIG. 1

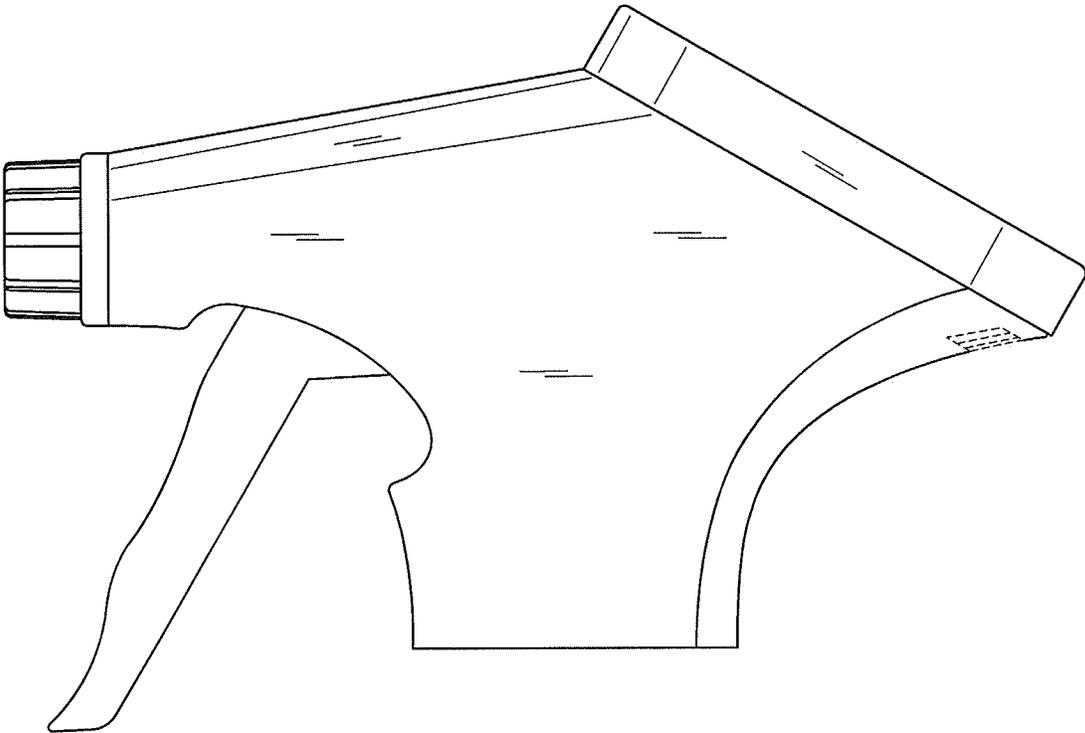


FIG. 2

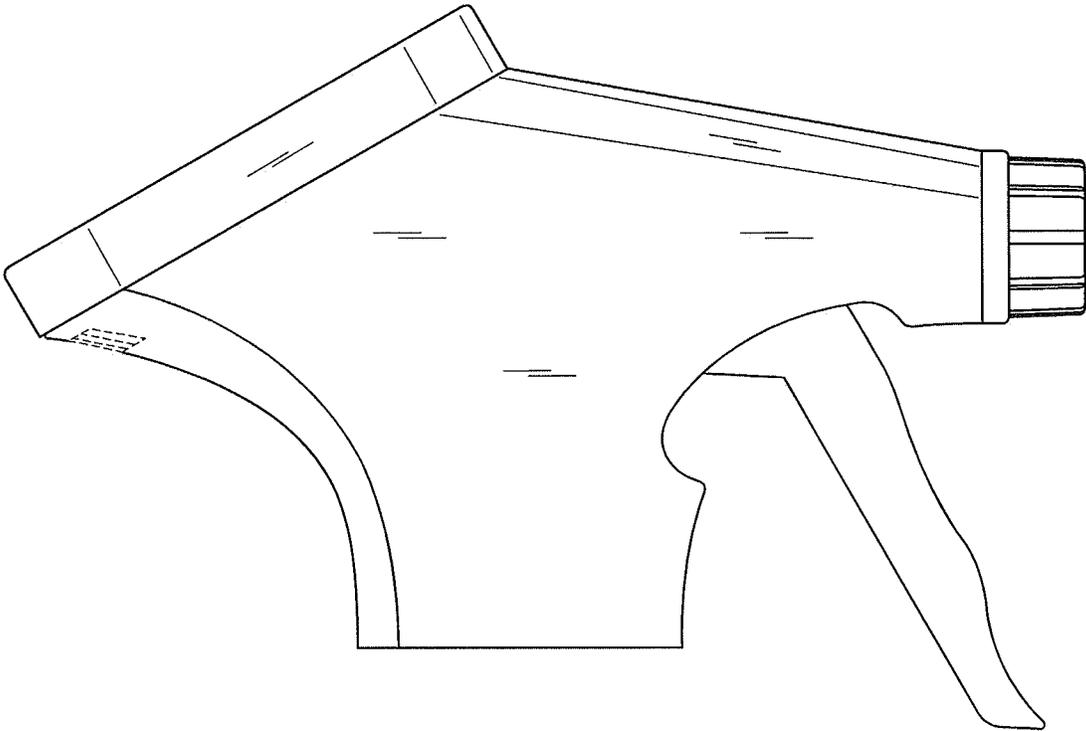


FIG. 3

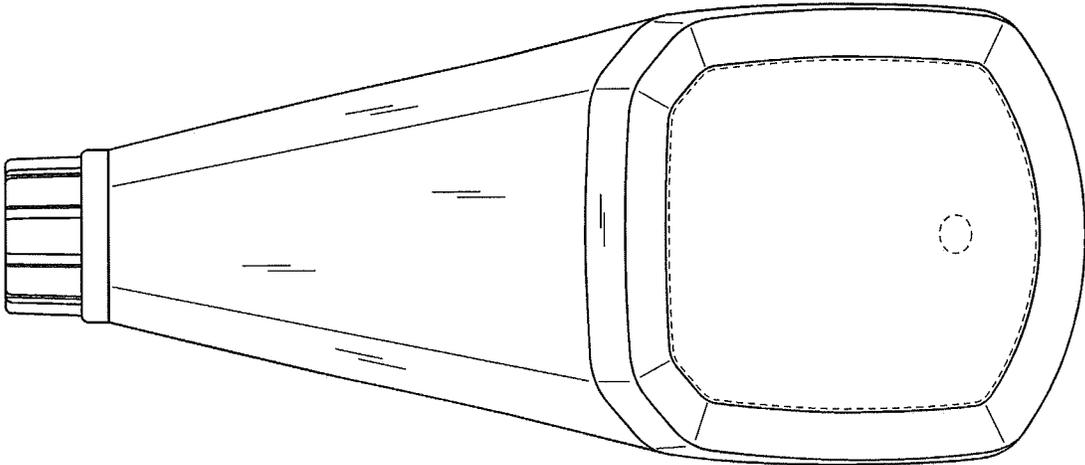


FIG. 4

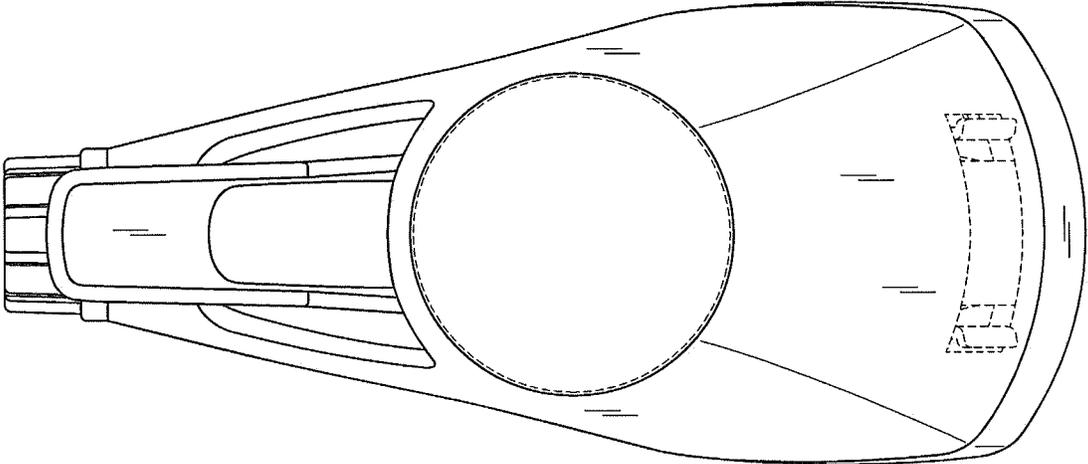


FIG. 5

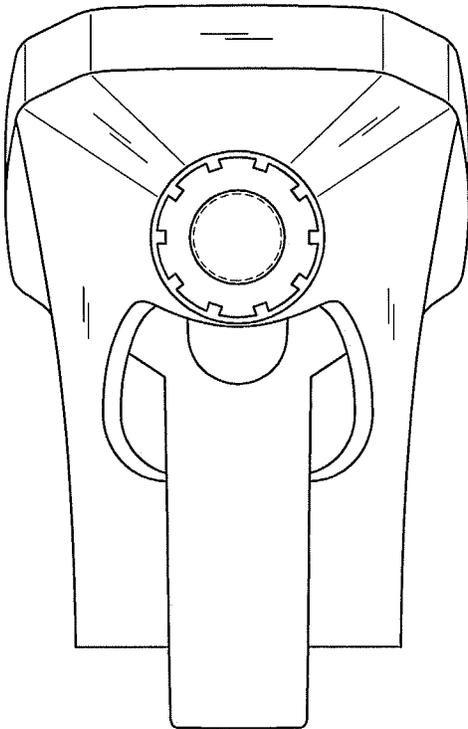


FIG. 6

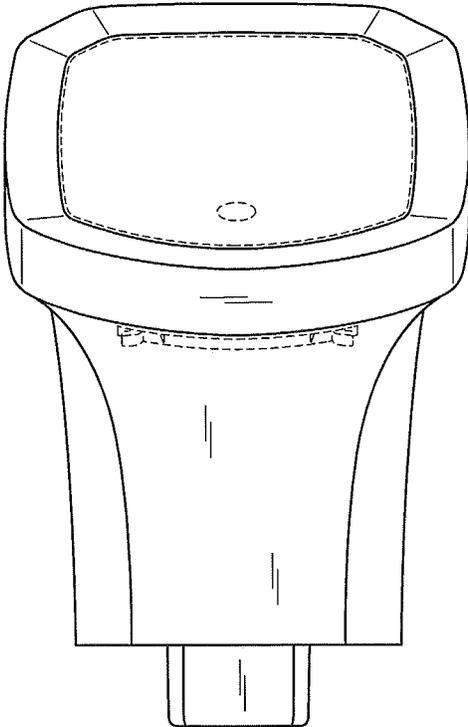


FIG. 7

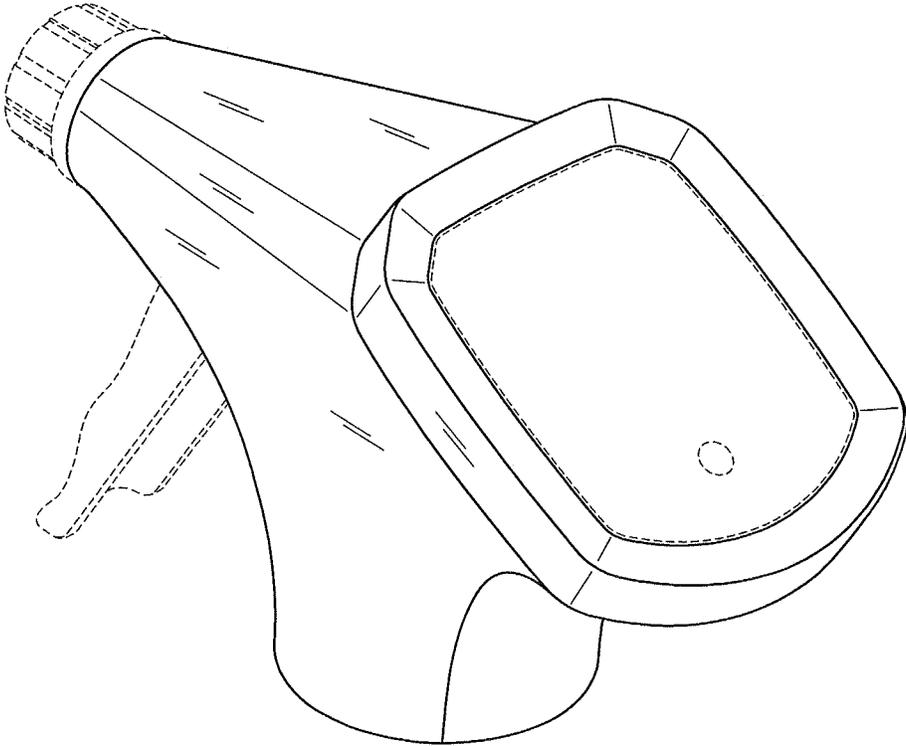


FIG. 8

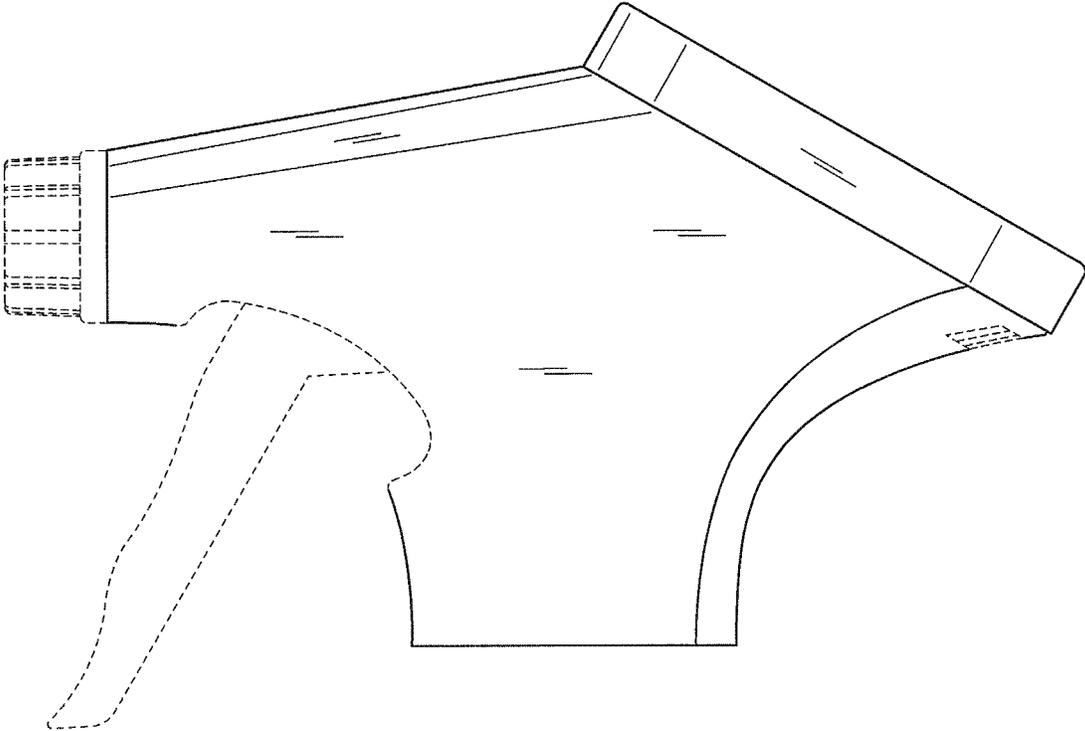


FIG. 9

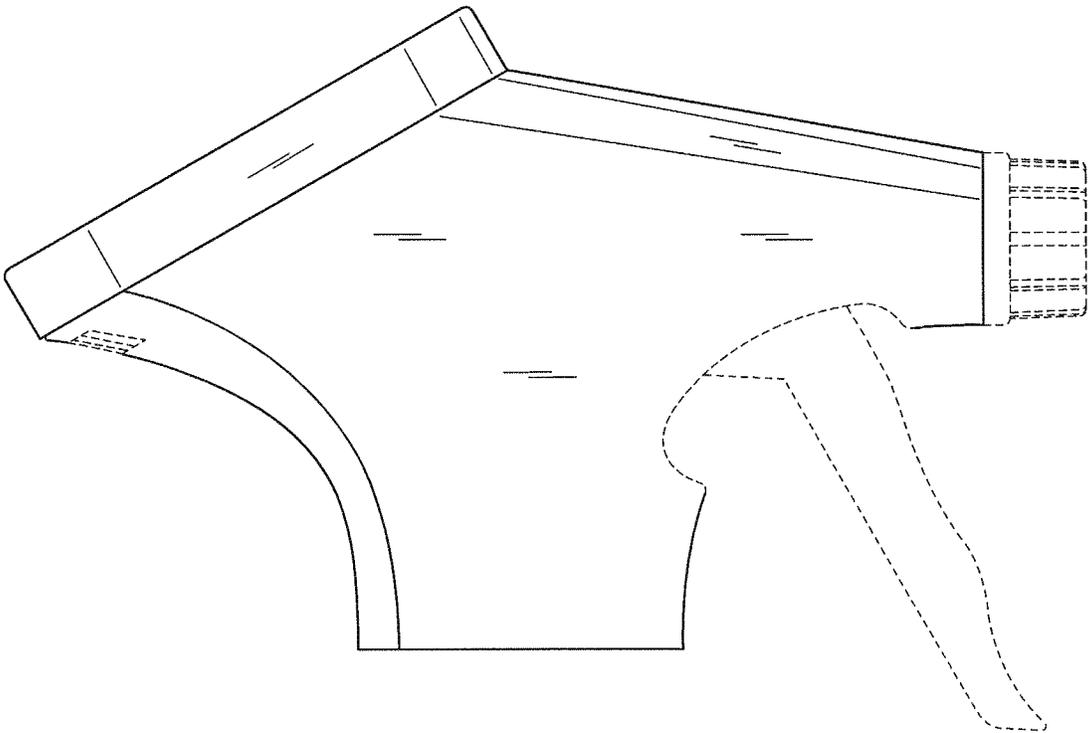


FIG. 10

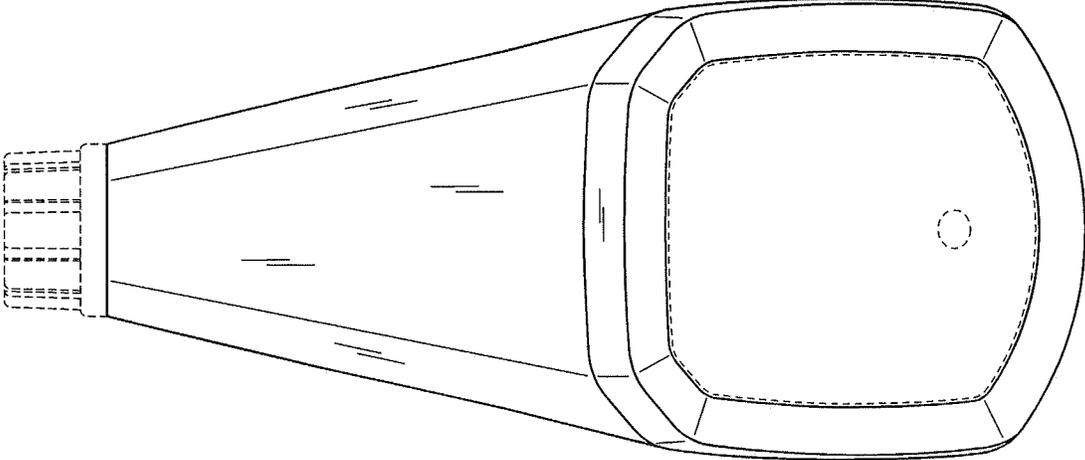


FIG. 11

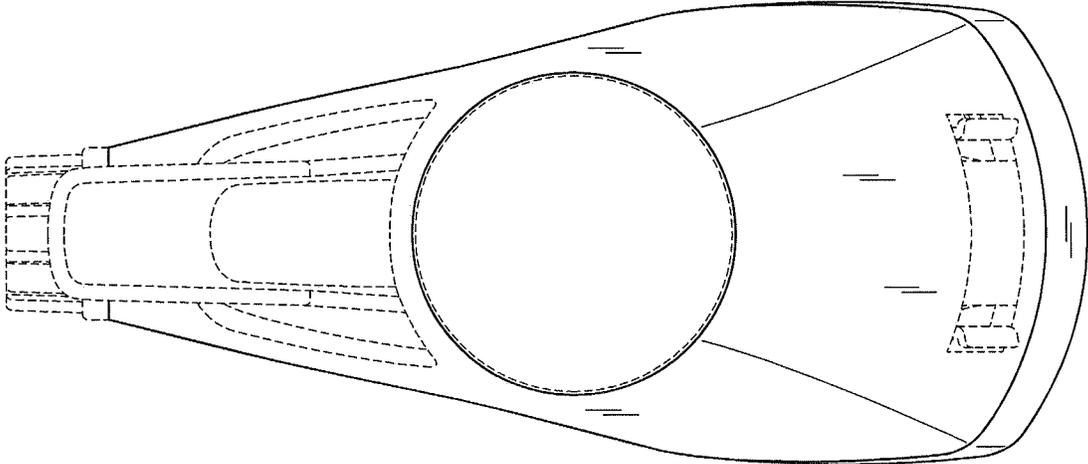


FIG. 12

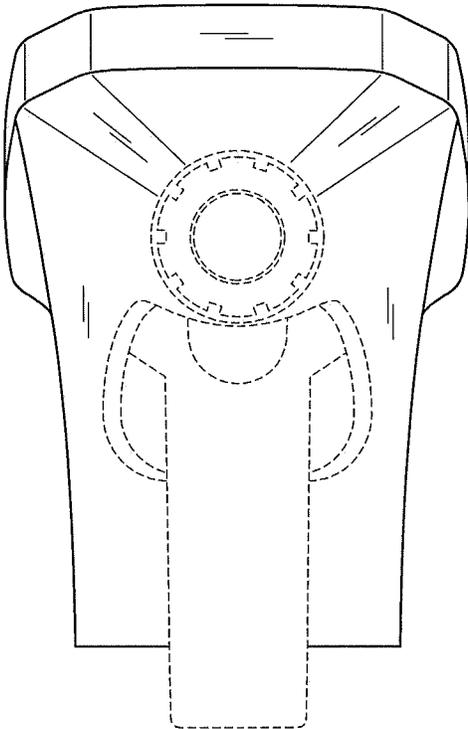


FIG. 13

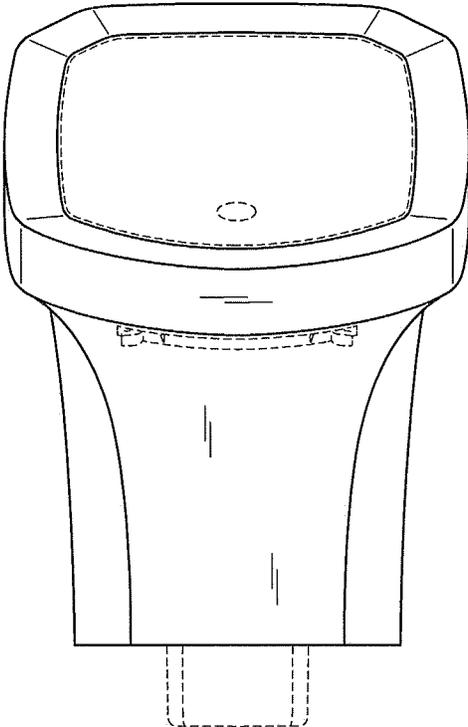


FIG. 14

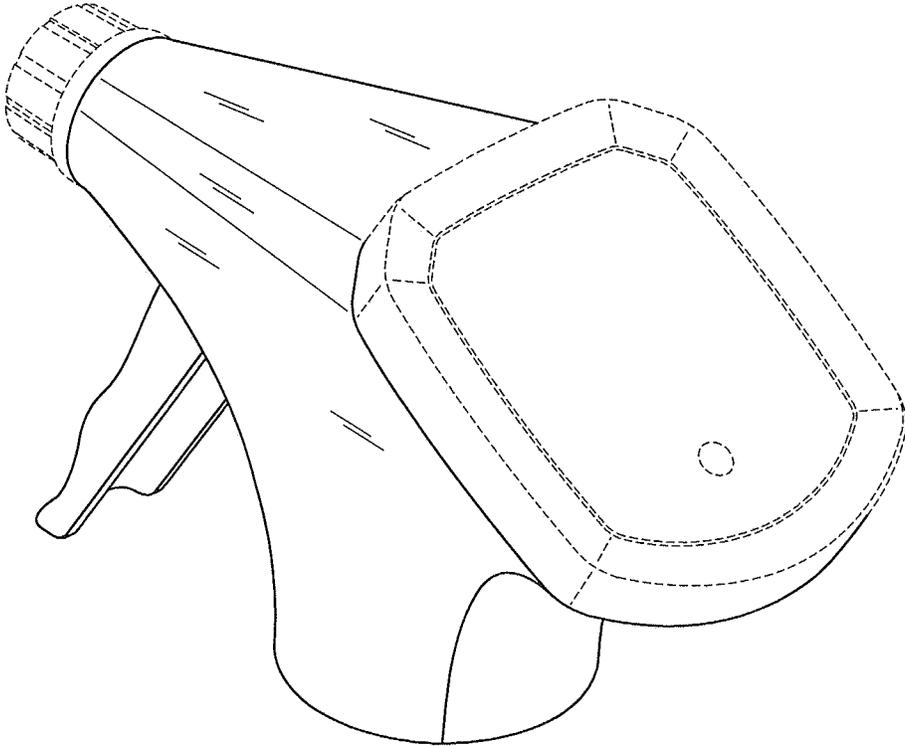


FIG. 15

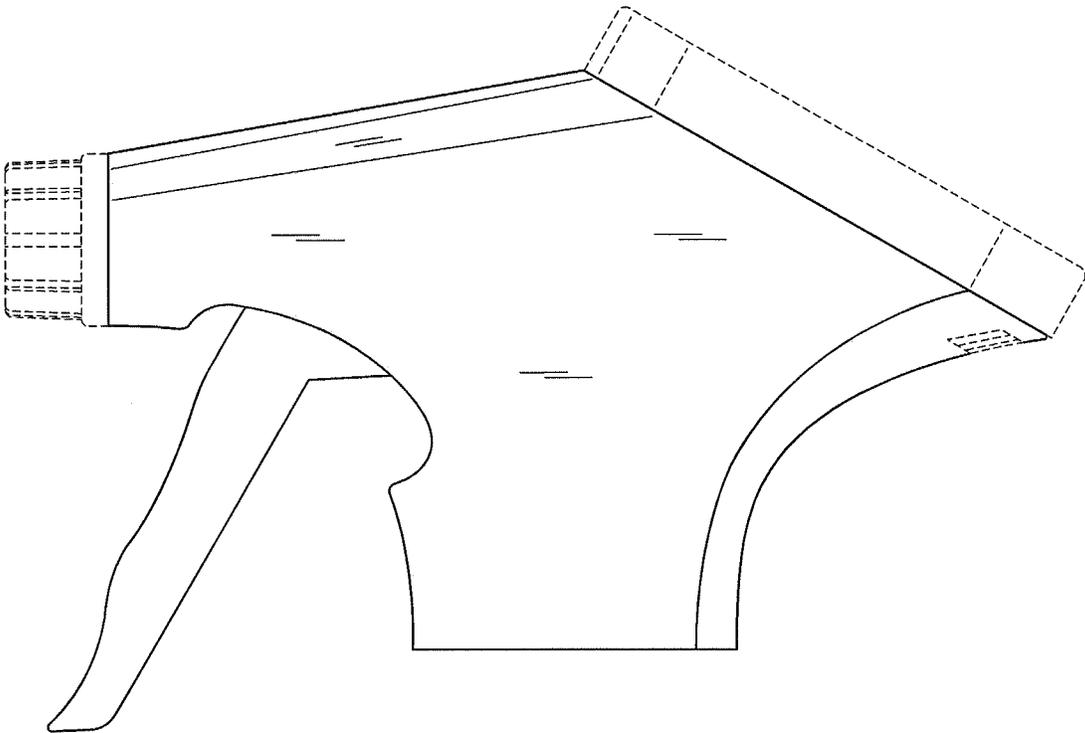


FIG. 16

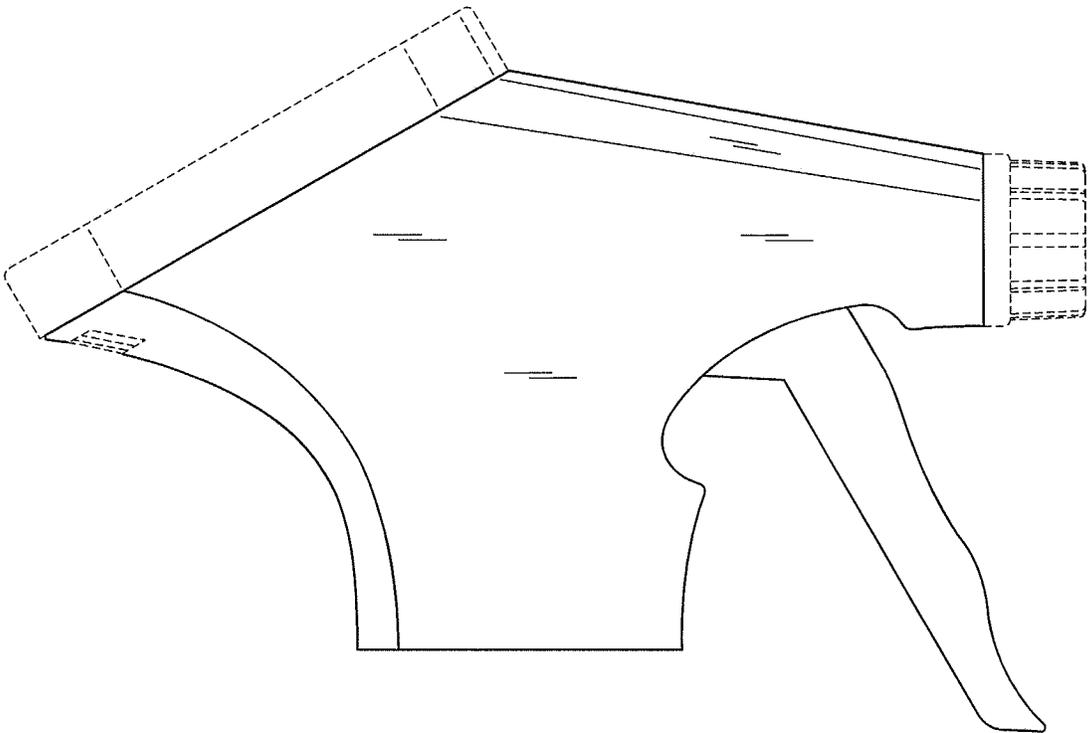


FIG. 17

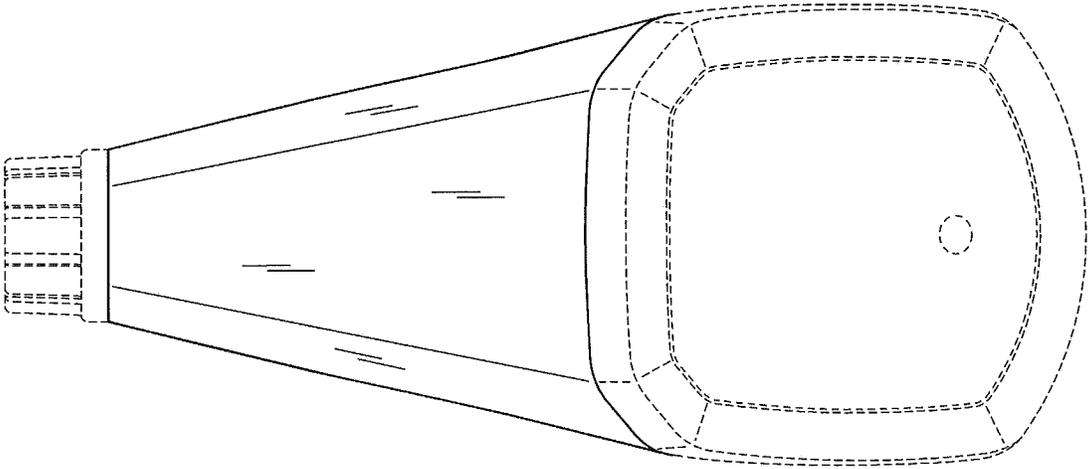


FIG. 18

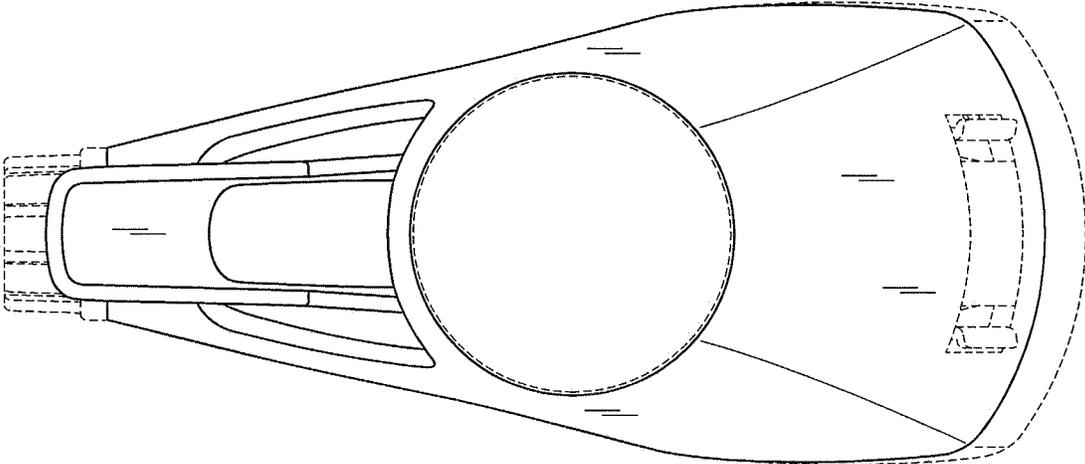


FIG. 19

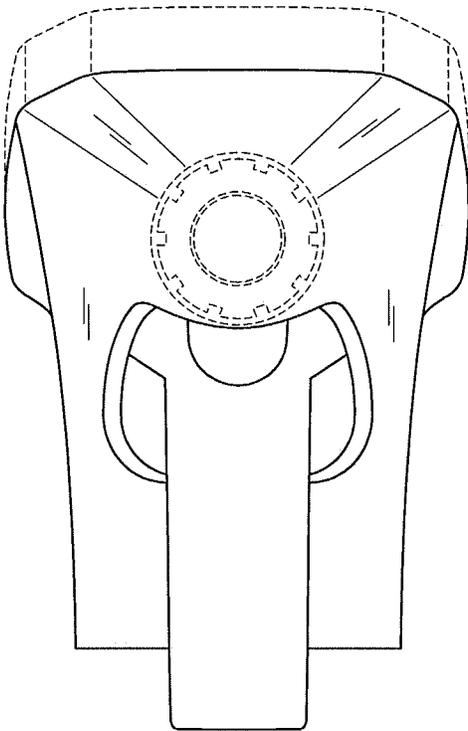


FIG. 20

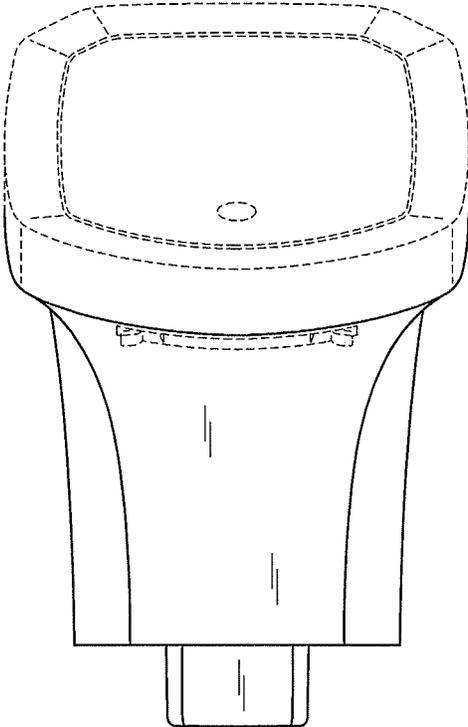


FIG. 21