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(12) **United States Design Patent** (10) **Patent No.:** **US D946,431 S**  
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(54) **MASS SPECTROMETER**

(56) **References Cited**

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**Andrew Pawson**, Manchester (GB);  
**Edward Scott**, Cheshire (GB); **Emma Marsden-Edwards**, Greater Manchester (GB); **Kate Wearden**, Leyland (GB)

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(73) Assignee: **Micromass UK Limited**, Wilmslow (GB)

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(30) **Foreign Application Priority Data**

Kitchener, On, ,the World's First Digital Benchtop SPR System, Nicoya Launches Alto, Date first available Jan. 23, 2020, [online]retrieved Nov. 10, 2021,available from https://nicoyalife.com/blog/press-releases/alto-digital-spr-nicoya-press-release/ (Year: 202).\*

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(51) **LOC (13) Cl.** ..... **10-04**

(52) **U.S. Cl.**  
USPC ..... **D10/81; D24/232**

(58) **Field of Classification Search**  
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CPC .. G01N 21/00; G01N 21/01; G01N 2201/022;  
G01N 2201/0221; G01N 2201/0222;  
G01N 2201/0224; G01N 2201/0225;  
G01N 2201/0227; G01N 25/08; G01N 25/085; G01N 25/10; G01N 25/12; G01N 25/14; G01N 25/142; G01N 25/145; G01N 25/147; G01N 25/16; G01N 25/18; G01N 25/20; G01N 25/22; G01N 30/06; G01N 35/026; G01N 27/62; G01N 35/08; G01N 30/72; G01N 35/0092; G01N 30/88; G01N 33/53; G01N 33/50; G01N 35/025; G01N 35/00603; G01N 35/00584; H01J 49/0413

See application file for complete search history.

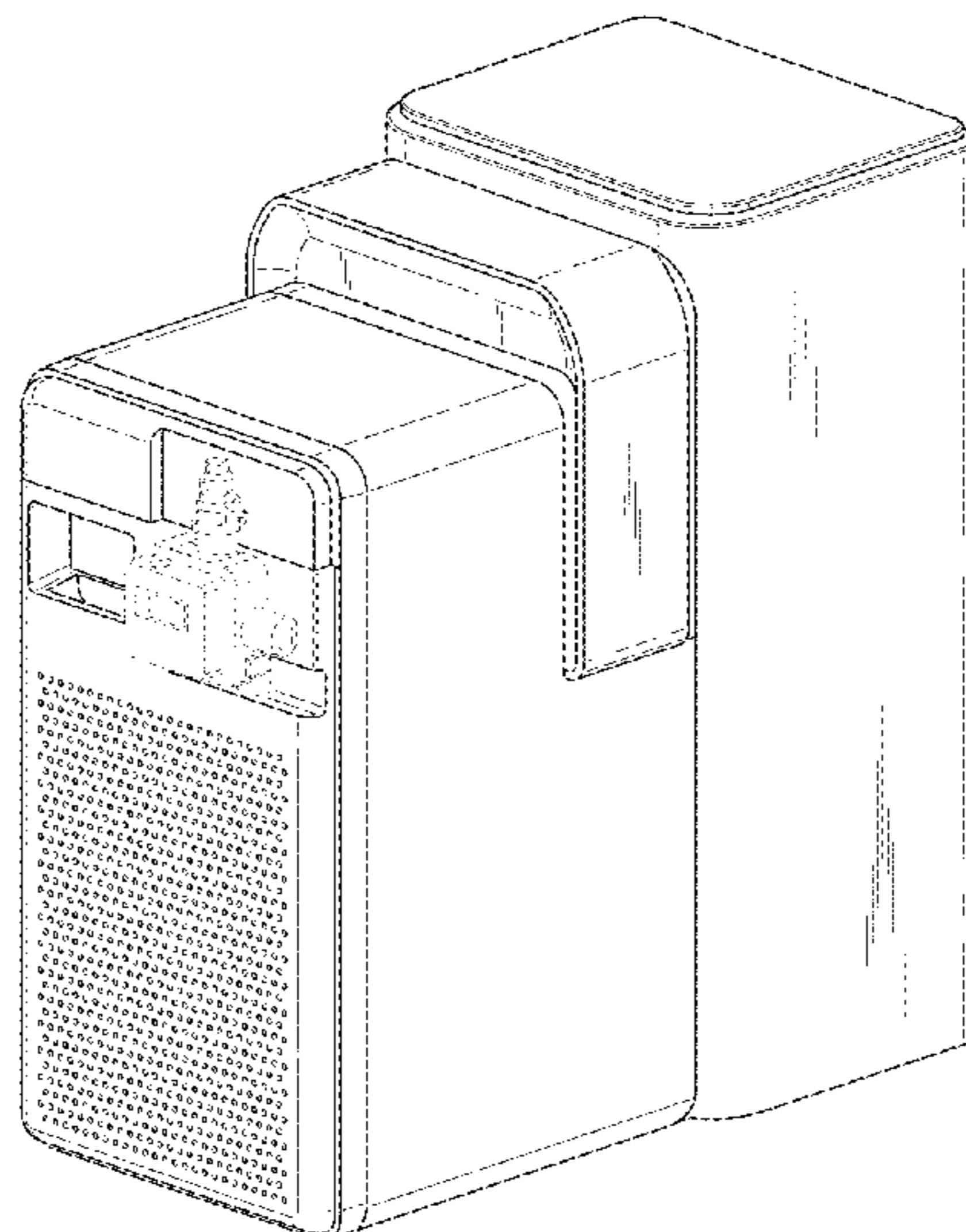
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*Assistant Examiner* — Sara S Sahneh  
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(57) **CLAIM**  
The ornamental design for a mass spectrometer, as shown and described.

**DESCRIPTION**

FIG. 1 is a perspective view of a mass spectrometer showing the design.  
FIG. 2 is a front elevation view of the design.  
FIG. 3 is a rear elevation view of the design.  
FIG. 4 is a side elevation view of the design; and,  
FIG. 5 is a top plan view of the design.  
The portions of the mass spectrometer shown in broken lines form no part of the claimed design.

**1 Claim, 5 Drawing Sheets**



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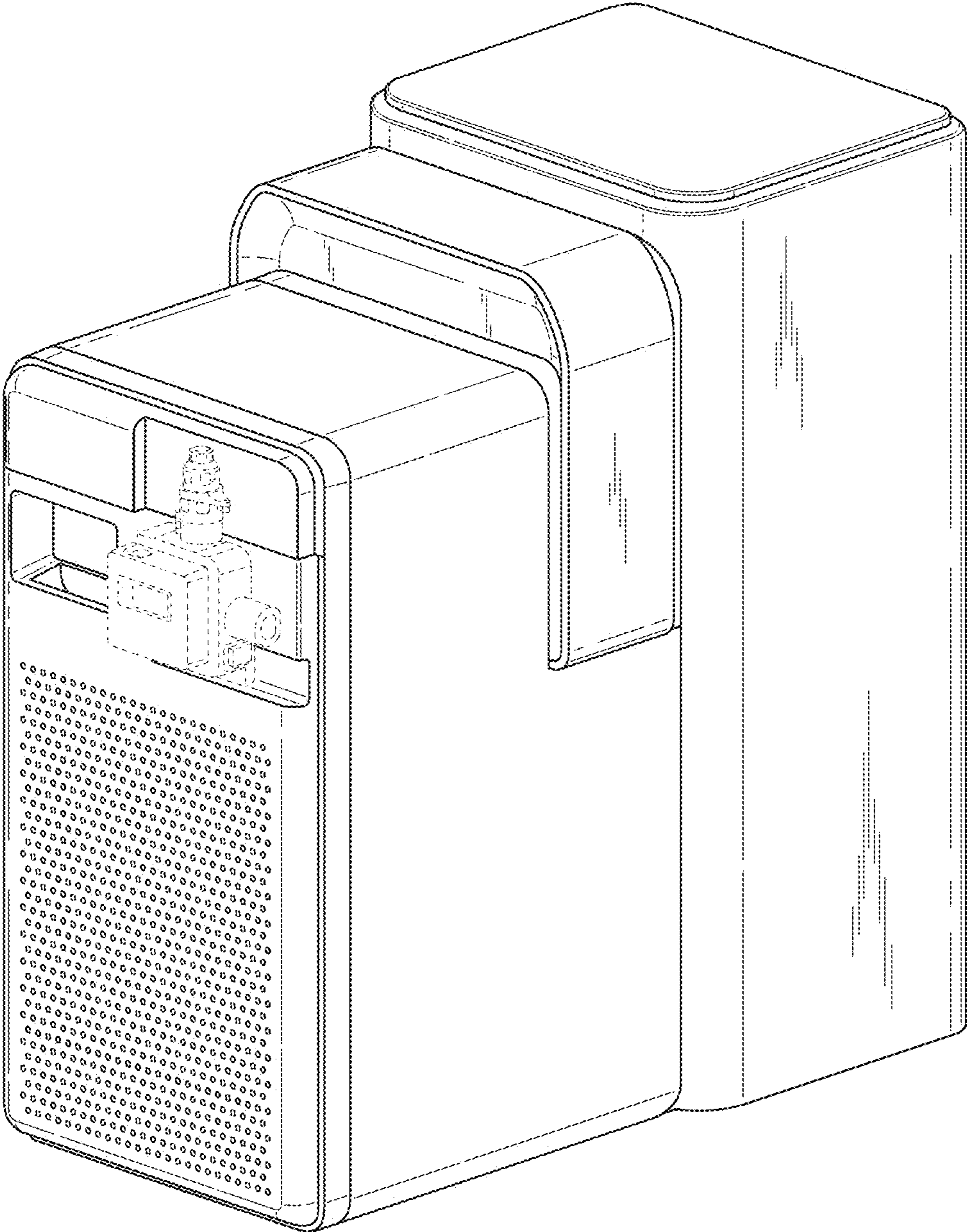


FIG. 1

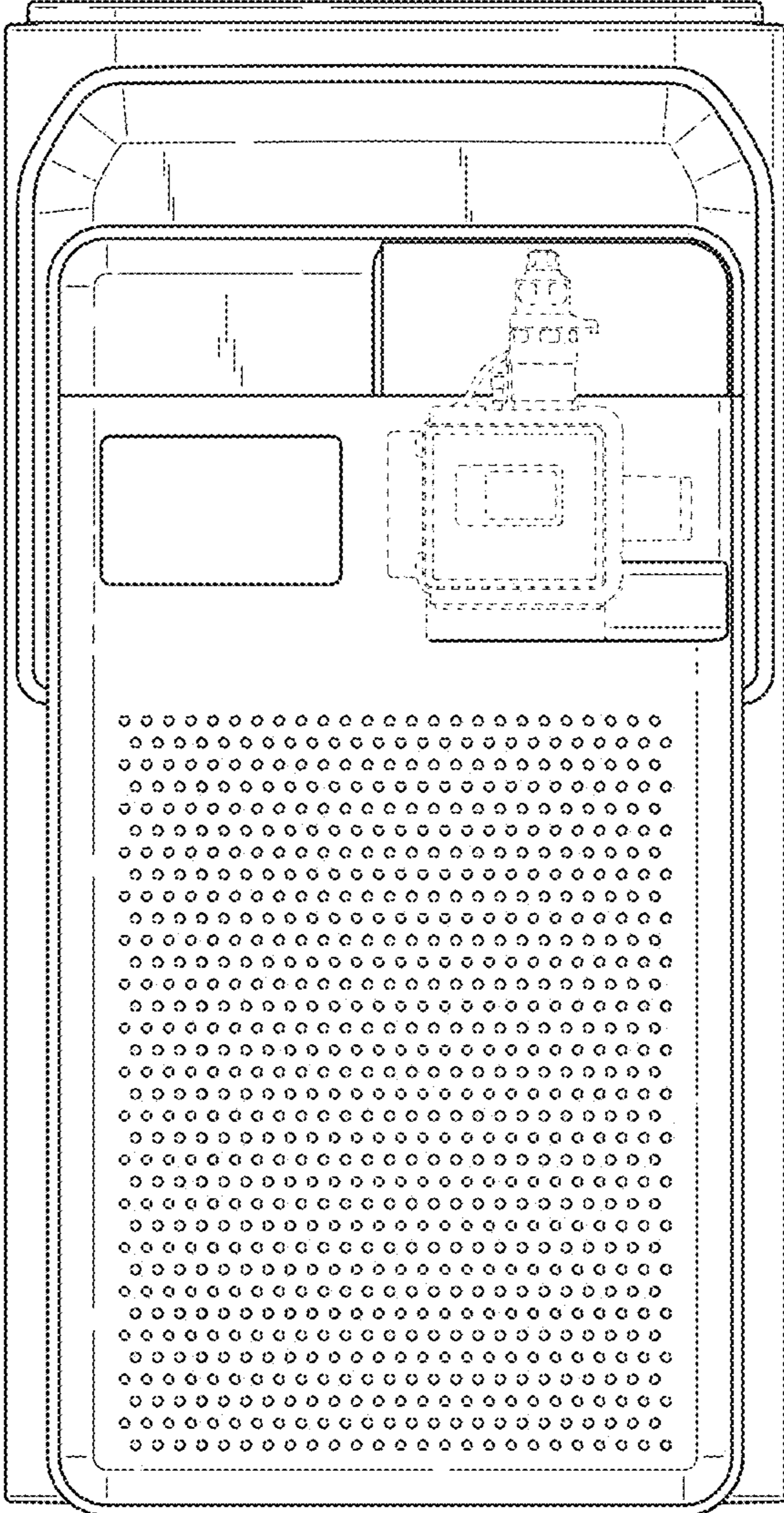


FIG. 2

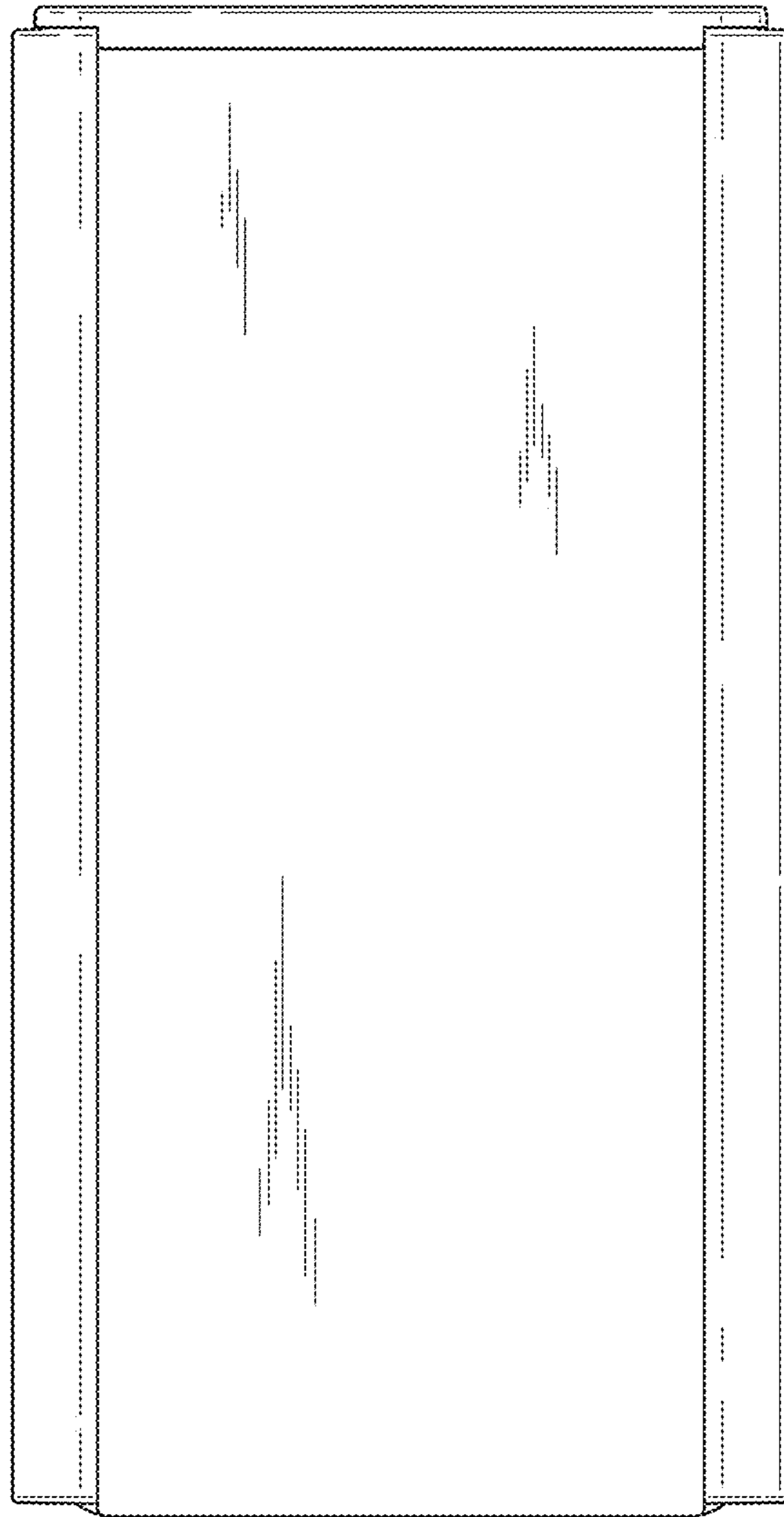


FIG. 3

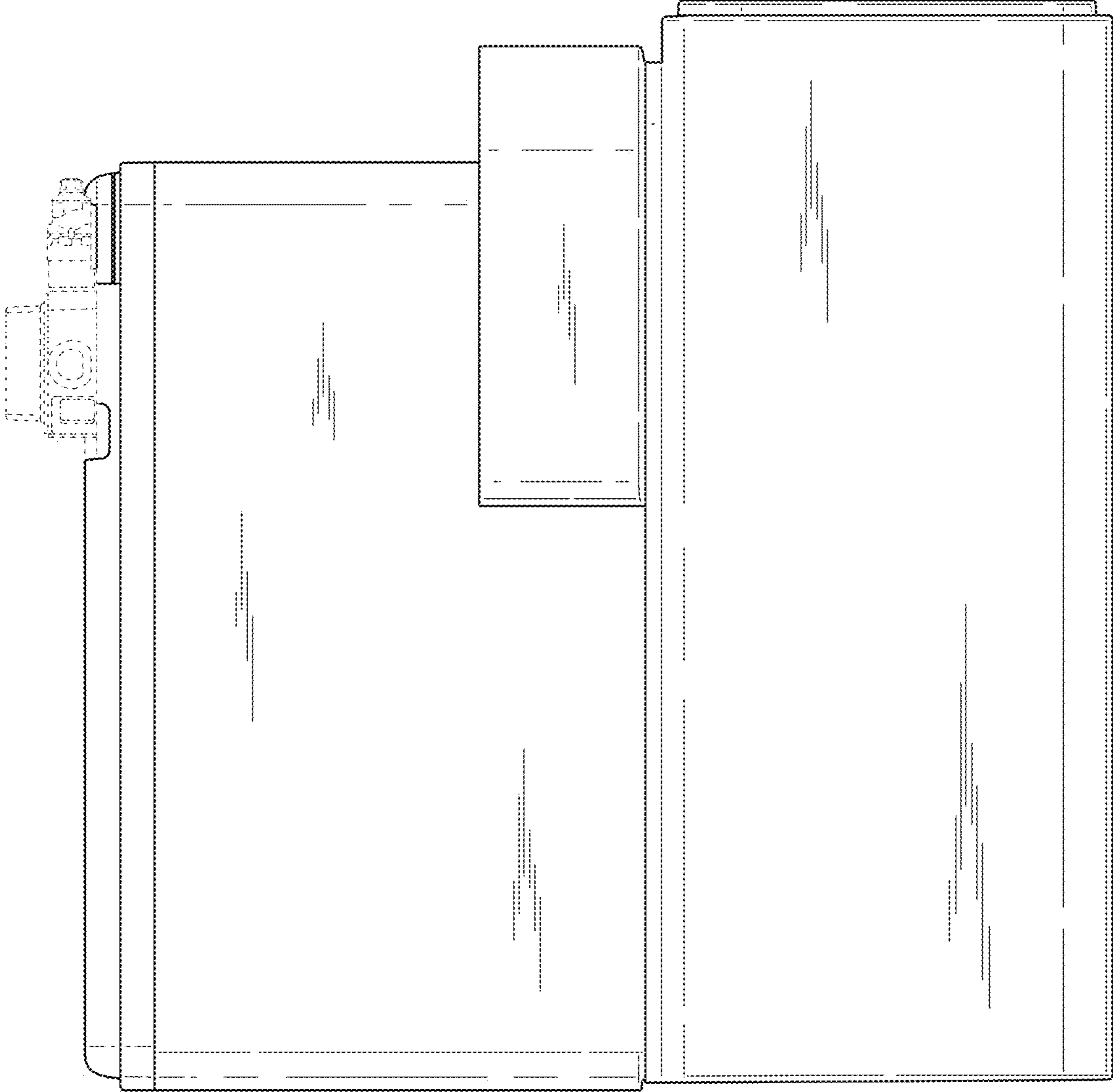


FIG. 4

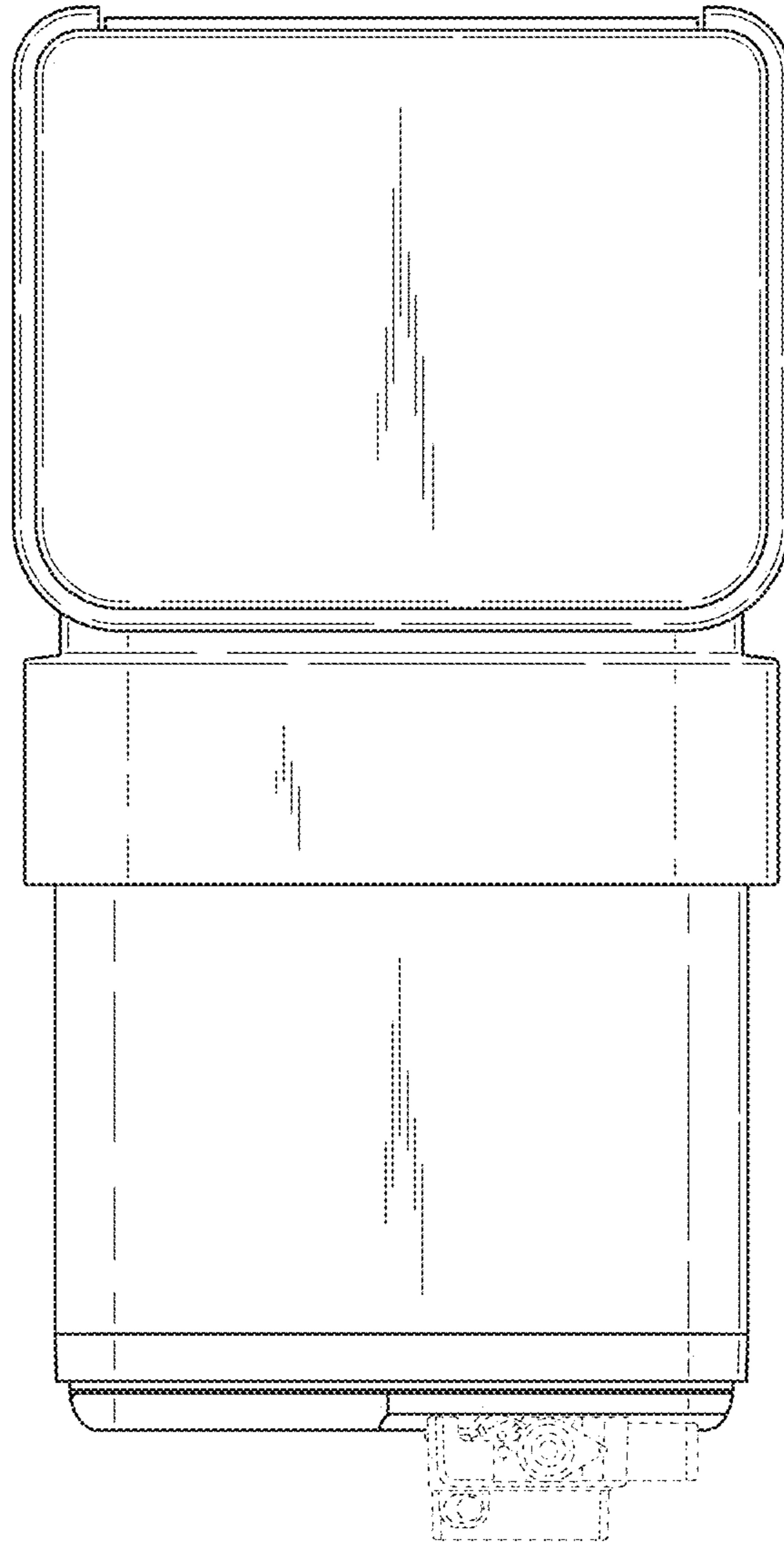


FIG. 5