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(12) **United States Design Patent**  
**Watanabe et al.**

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(45) **Date of Patent:** **\*\* Mar. 21, 2017**

(54) **EXPANSION VALVE**

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

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(73) Assignee: **TGK Co., Ltd.**, Tokyo (JP)

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

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(30) **Foreign Application Priority Data**

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(51) **LOC (10) Cl.** ..... **23-01**

(52) **U.S. Cl.**  
USPC ..... **D23/233**

(58) **Field of Classification Search**  
USPC ..... D23/233-250; D15/5-7; 251/129.11,  
251/264, 333, 331; 137/630.12, 137.14,  
137/333, 340, 500, 511, 550, 596.12,  
137/614.16; 62/528

CPC .... F16K 31/0613; F16K 11/10; F16K 11/074;  
F25B 41/062

See application file for complete search history.

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(57) **CLAIM**

The ornamental design for an expansion valve, as shown and described.

**DESCRIPTION**

FIG. 1 is a front perspective view of an expansion valve showing our new design;

FIG. 2 is a rear perspective view thereof;

FIG. 3 is a front elevational view thereof;

FIG. 4 is a rear elevational view thereof;

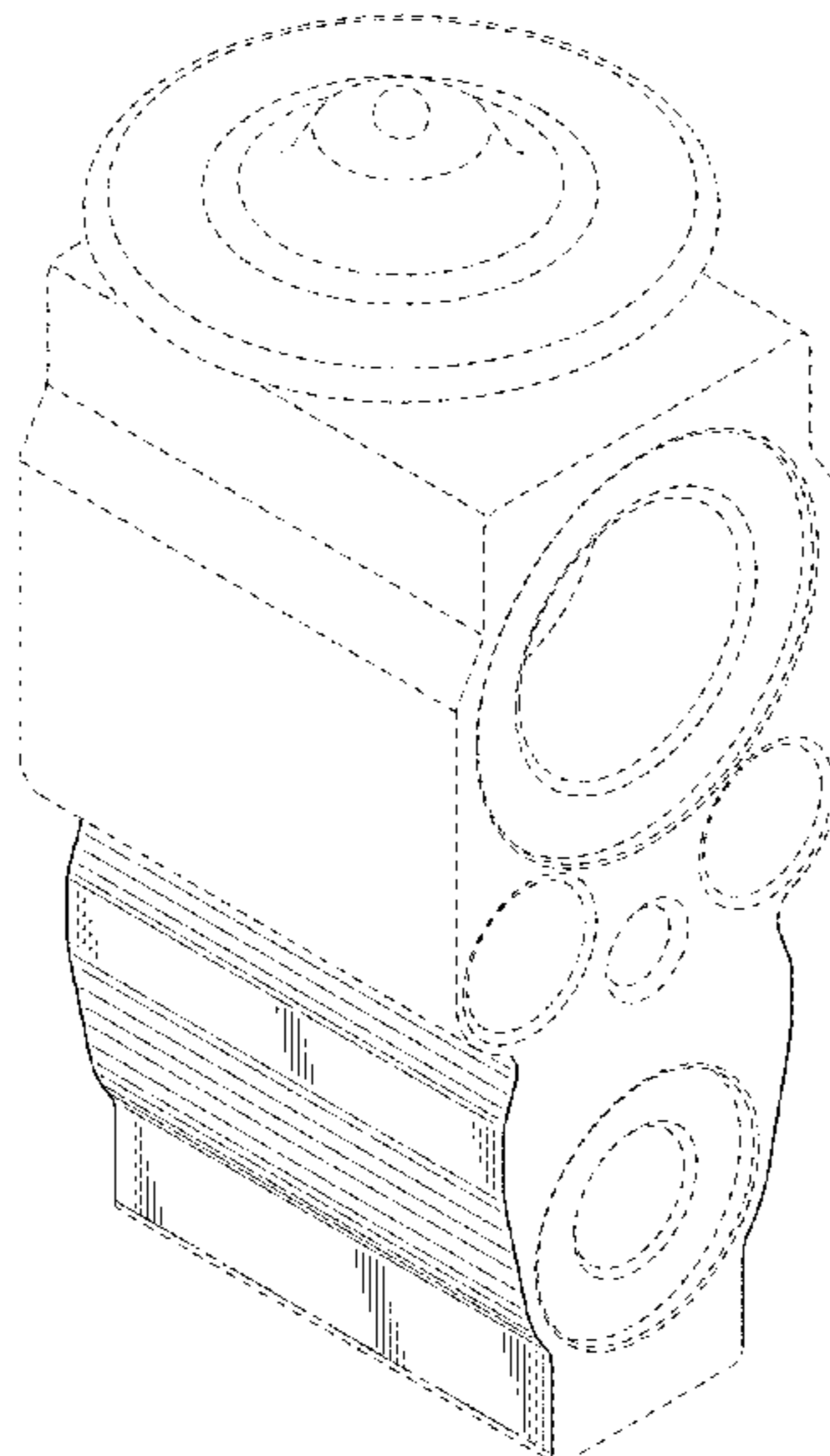
FIG. 5 is a bottom plan view thereof;

FIG. 6 is a left side elevational view thereof; and,

FIG. 7 is a right side elevational view thereof.

The broken lines shown in the figures are included for the purpose of illustrating portions of the expansion valve and form no part of the claimed design.

**1 Claim, 7 Drawing Sheets**



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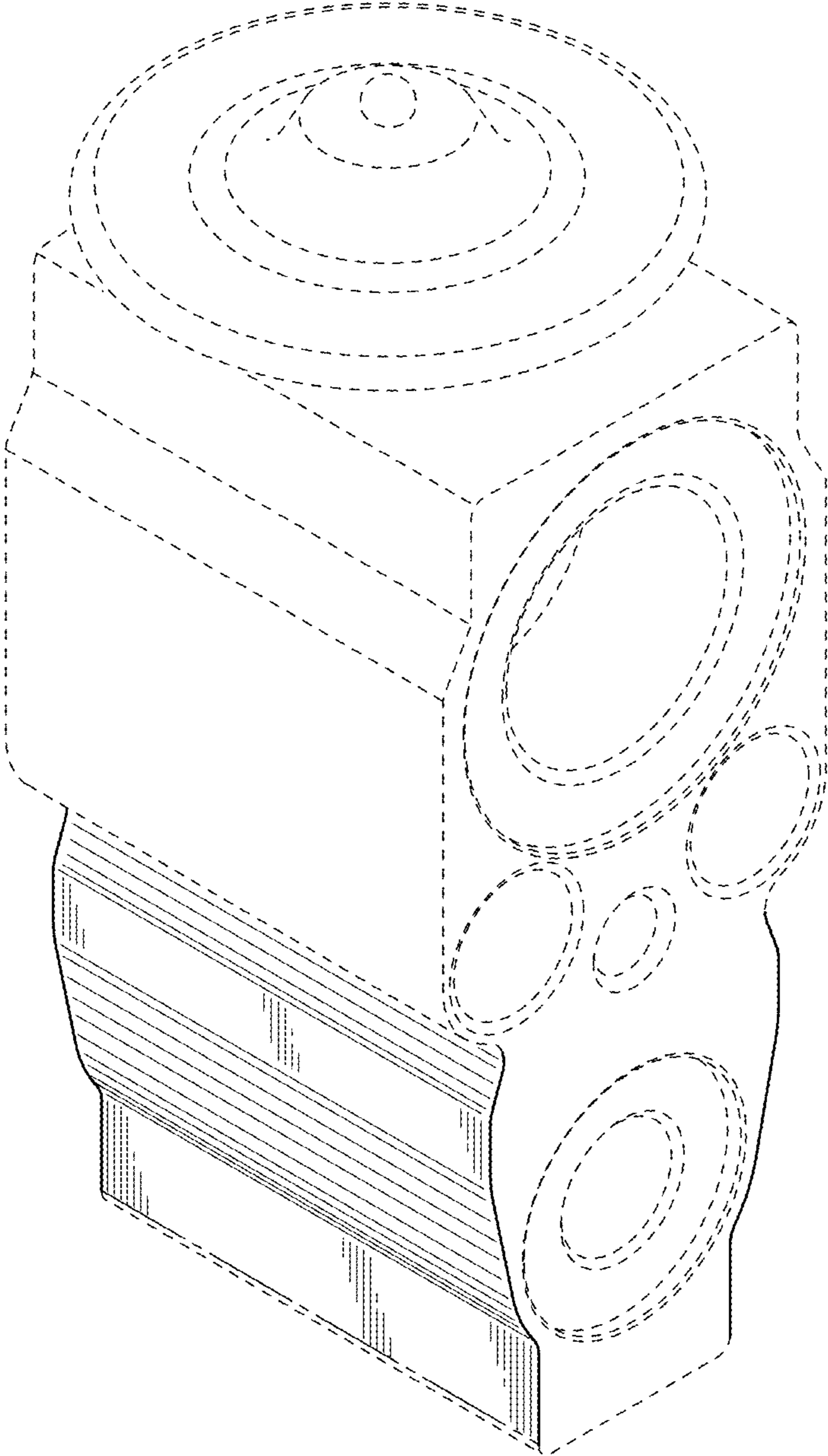
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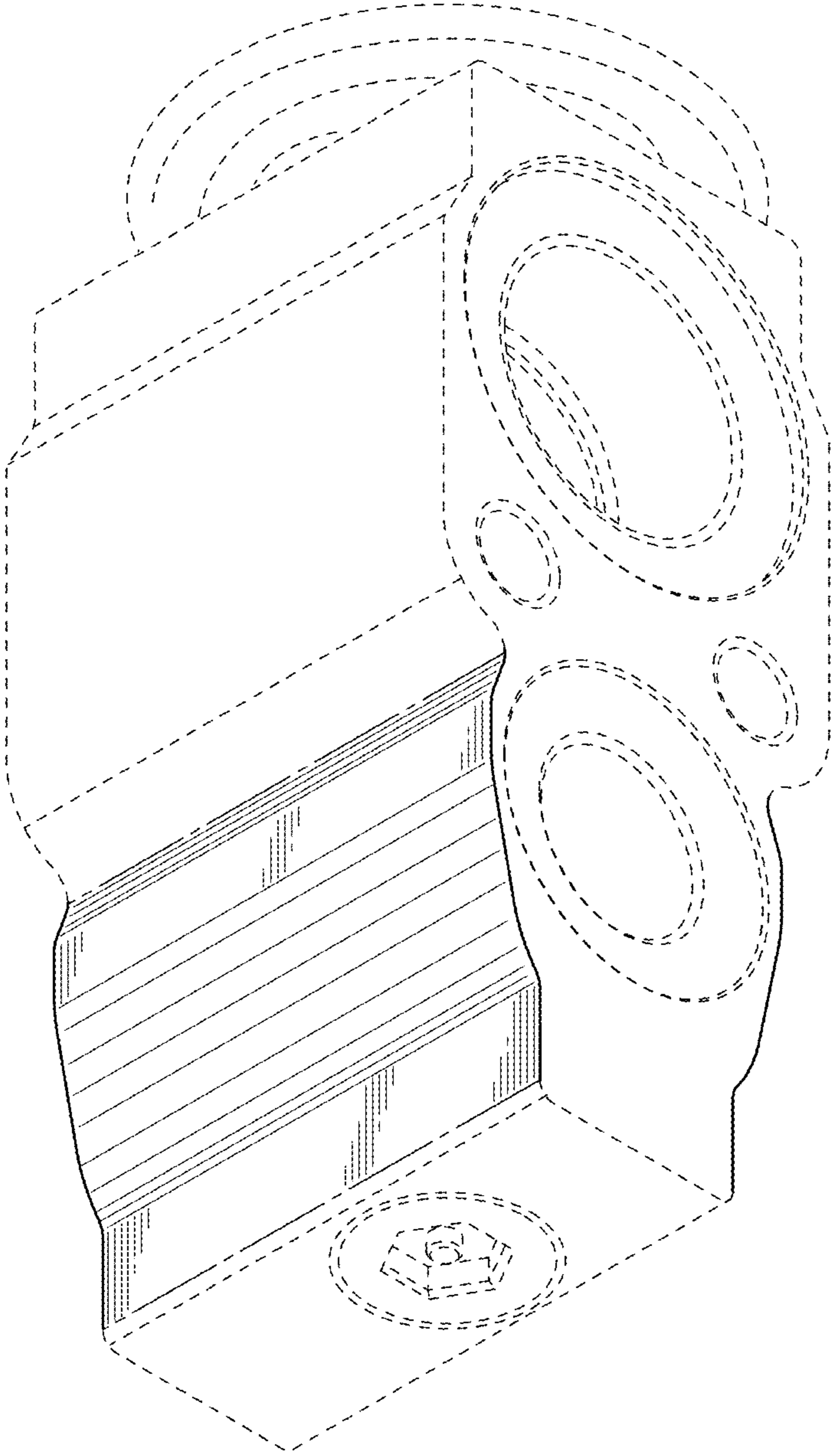
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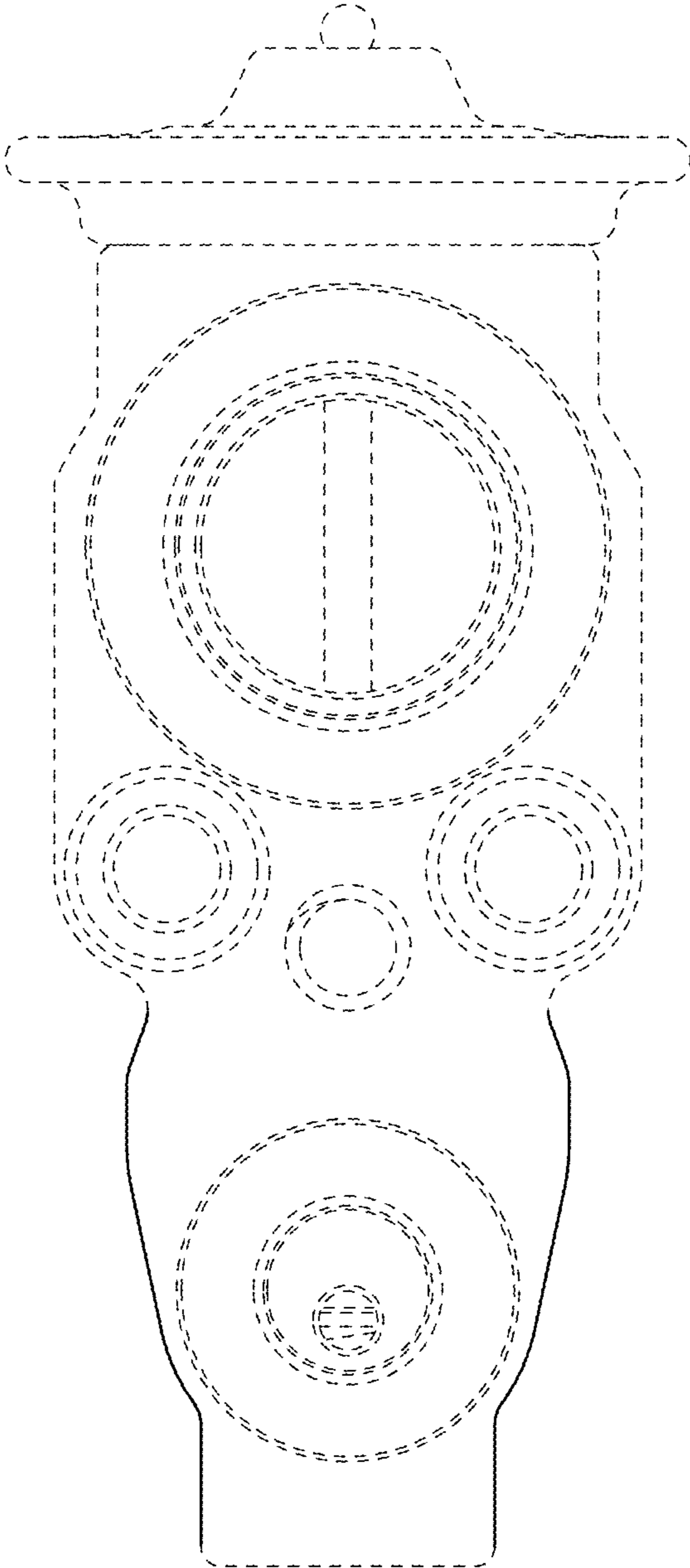
**FIG. 1**



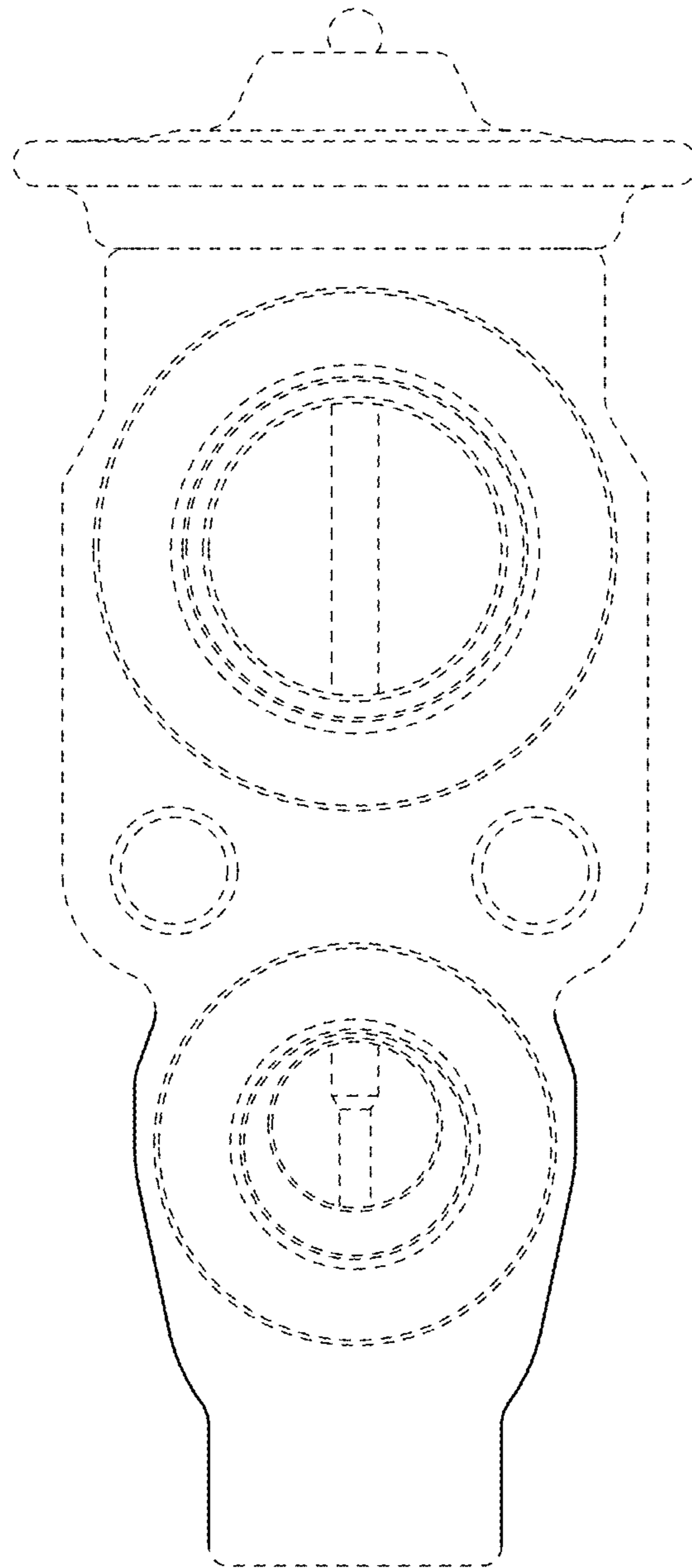
**FIG. 2**



**FIG. 3**

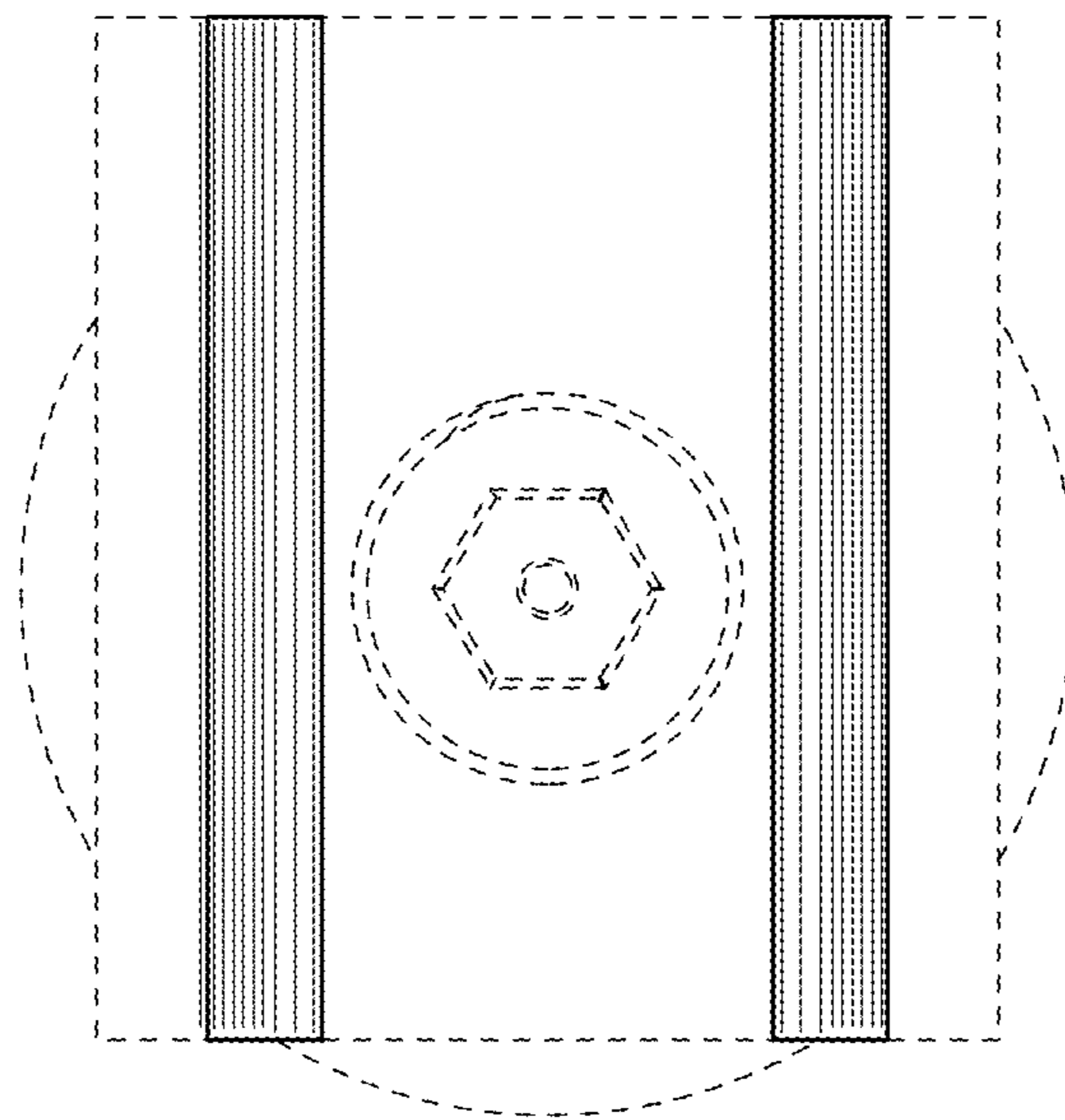


**FIG. 4**

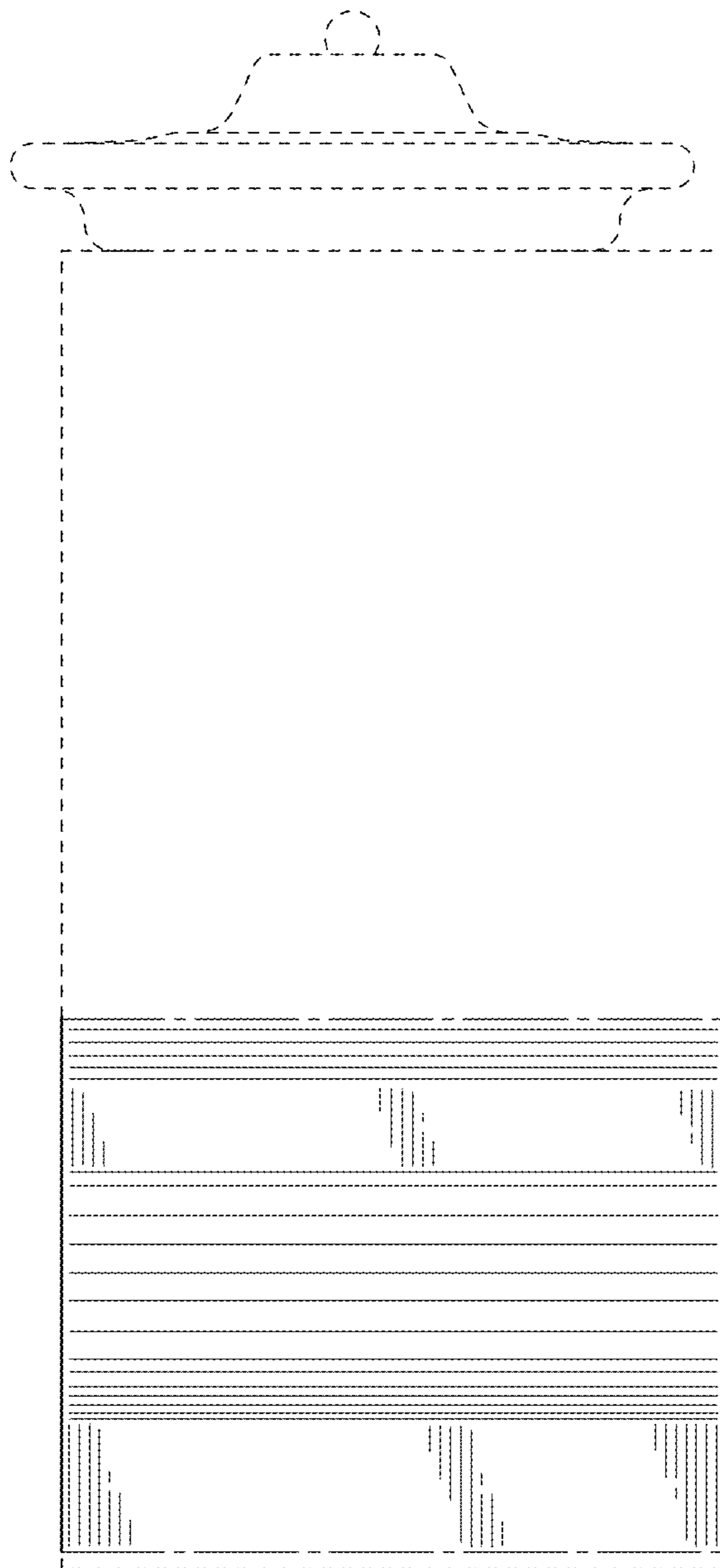




***FIG. 5***



**FIG. 6**





**FIG. 7**

