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(12) **United States Design Patent** (10) **Patent No.:** **US D782,009 S**  
**Watanabe et al.** (45) **Date of Patent:** **\*\* Mar. 21, 2017**

(54) **EXPANSION VALVE**  
(71) Applicant: **TGK CO., LTD.**, Tokyo (JP)  
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**Takeshi Kaneko**, Tokyo (JP)  
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(\*\*) Term: **15 Years**

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(21) Appl. No.: **29/562,226**  
(22) Filed: **Apr. 22, 2016**

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(30) **Foreign Application Priority Data**

Oct. 26, 2015 (EM) ..... 002836304-0001

(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; F25B 2600/2513; F25B  
2341/065  
See application file for complete search history.

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(57) **CLAIM**

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

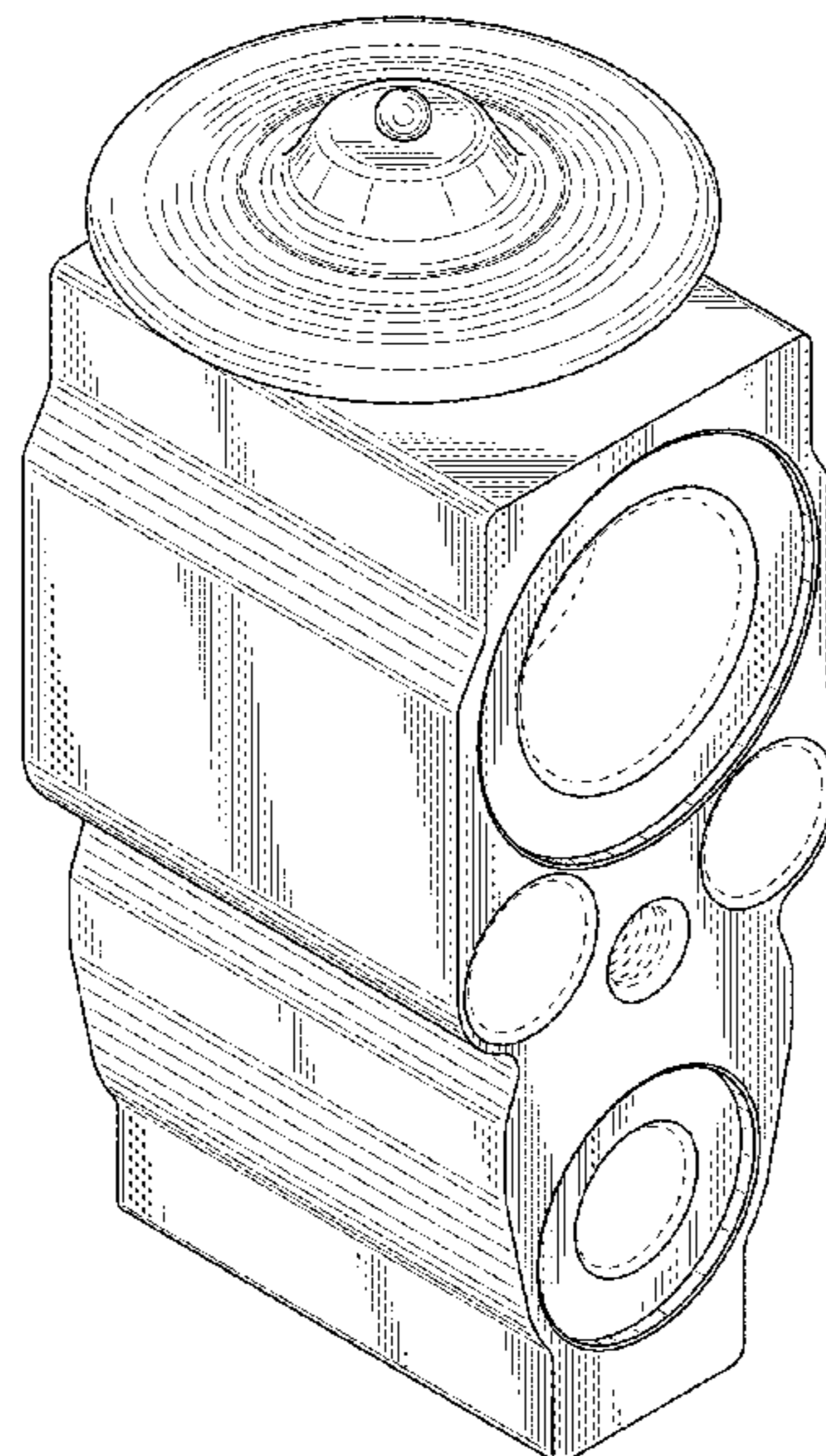
**DESCRIPTION**

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 top plan view thereof;  
FIG. 6 is a bottom plan view thereof; and,  
FIG. 7 is a left side elevational view thereof; the right side elevational view being a mirror image 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.

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**1 Claim, 7 Drawing Sheets**



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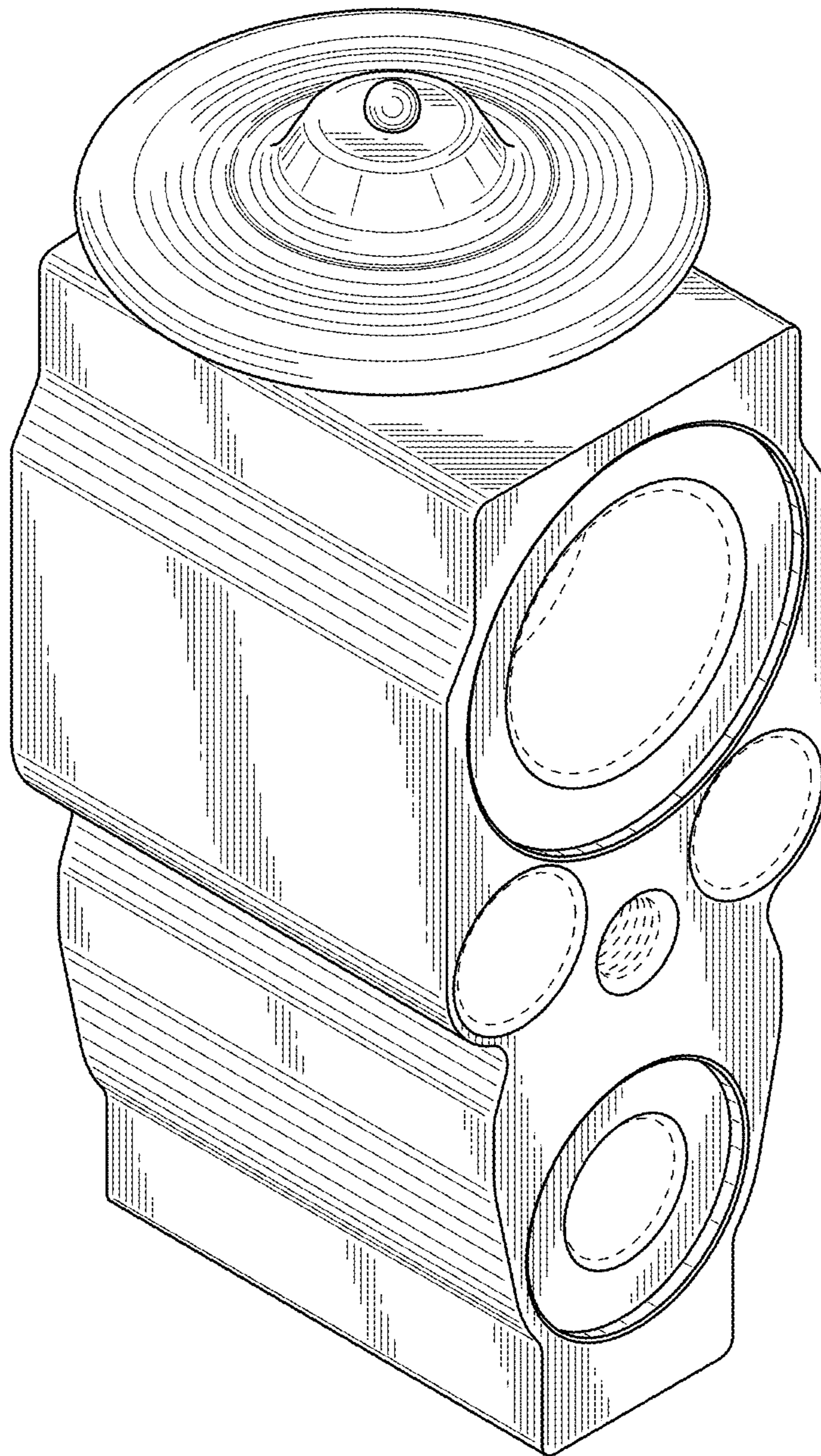
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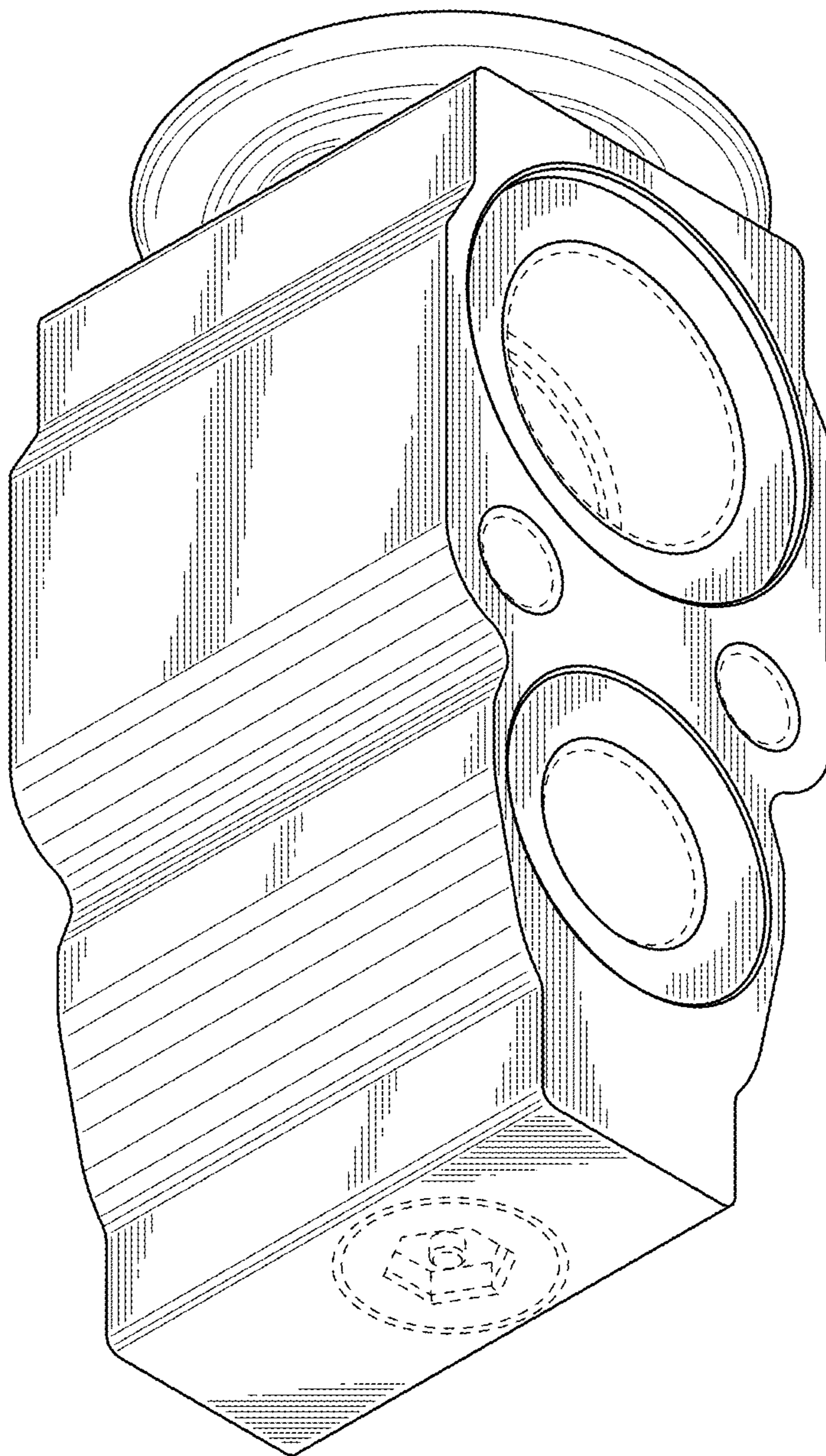
\* cited by examiner

***FIG. 1***

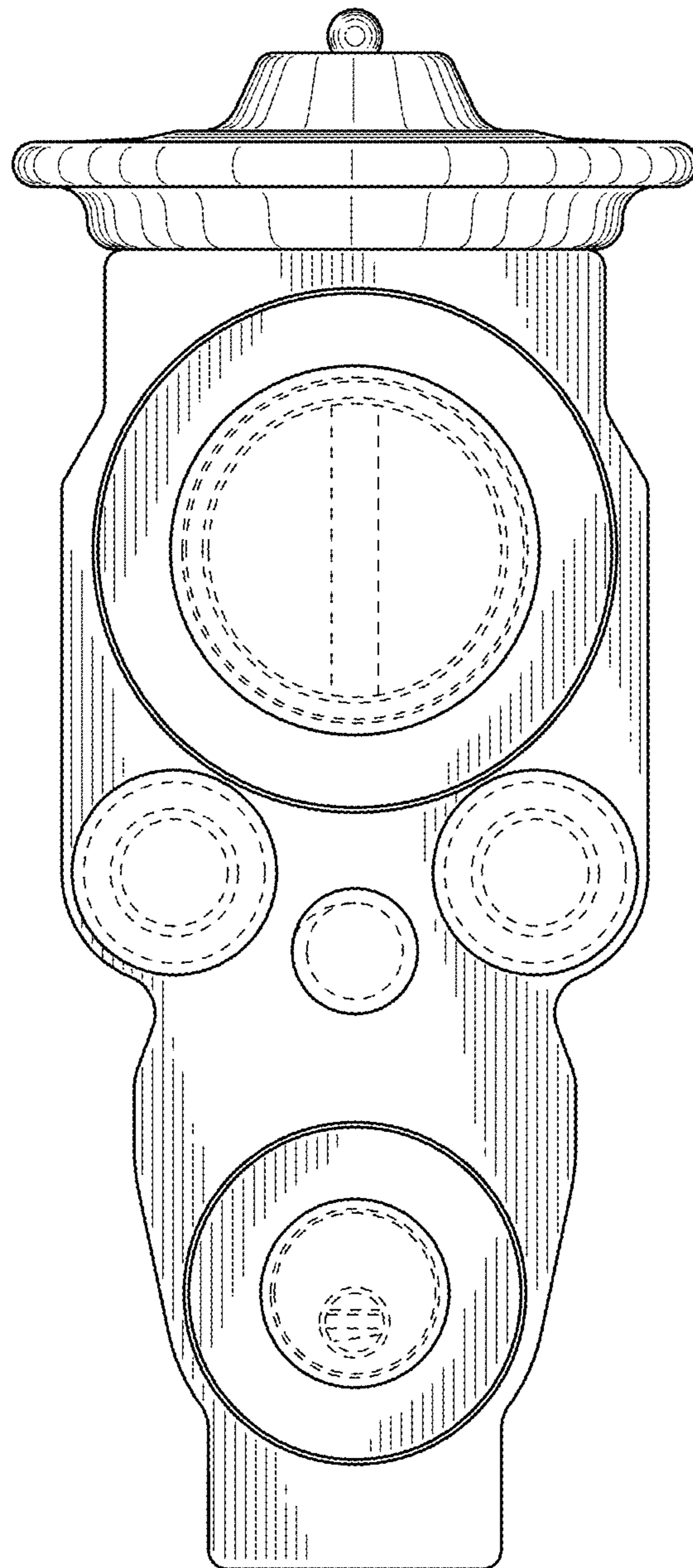




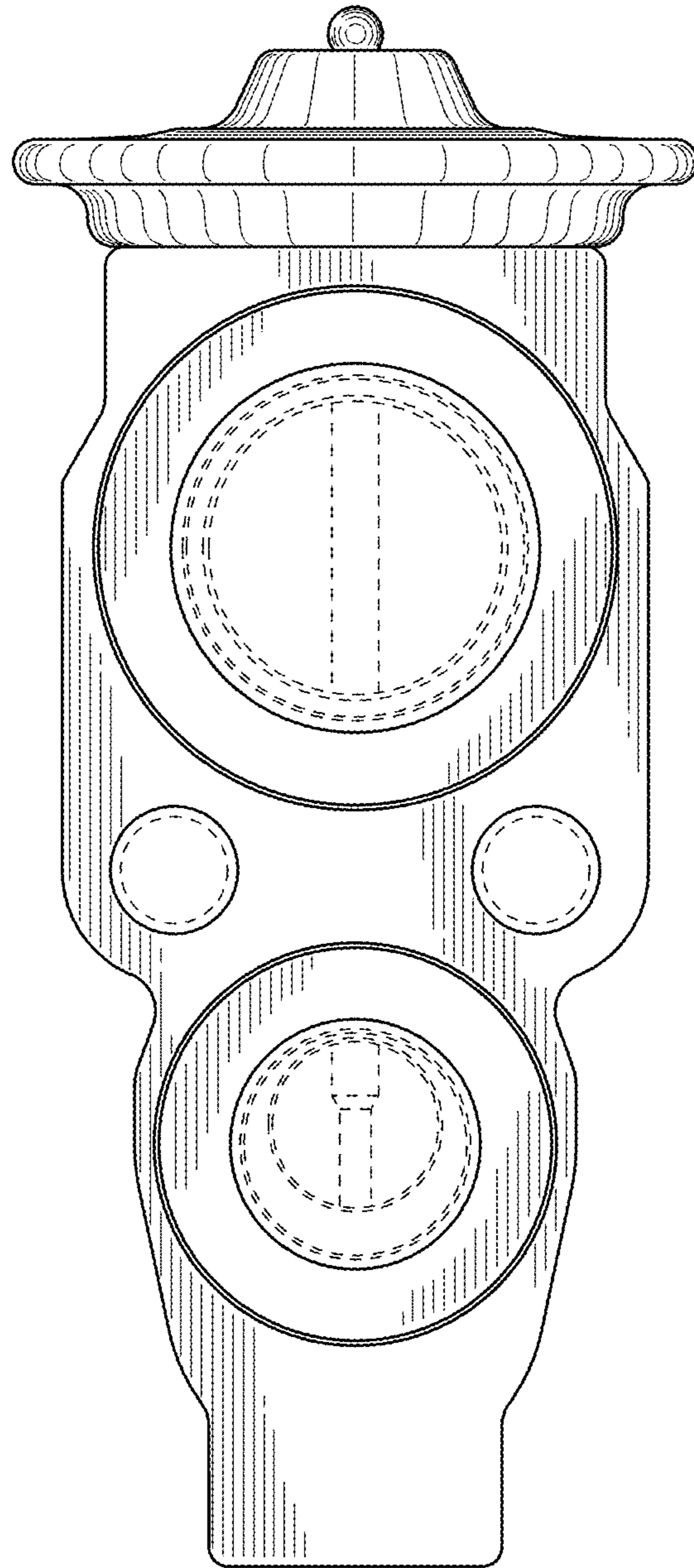
**FIG. 2**



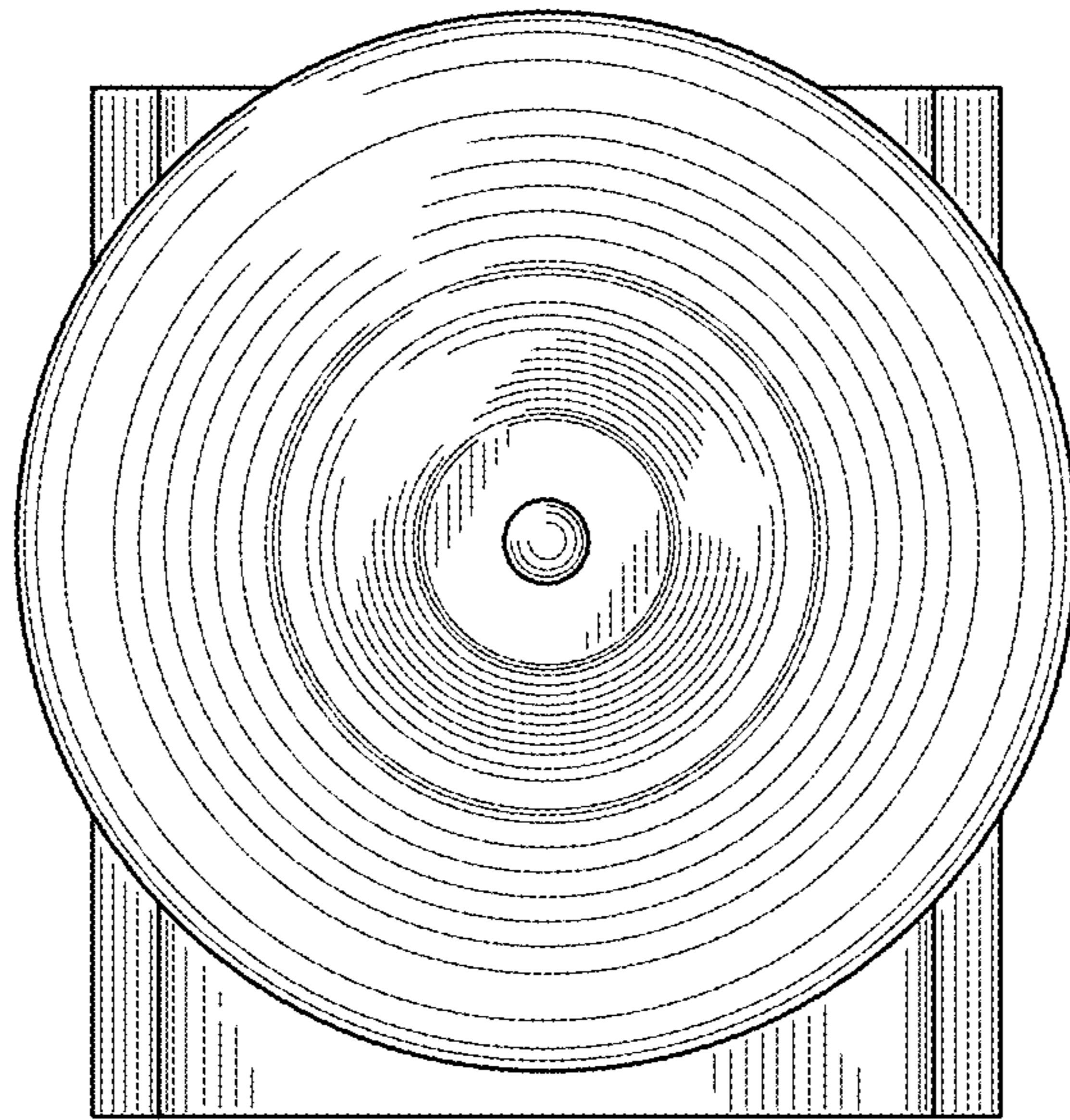
**FIG. 3**



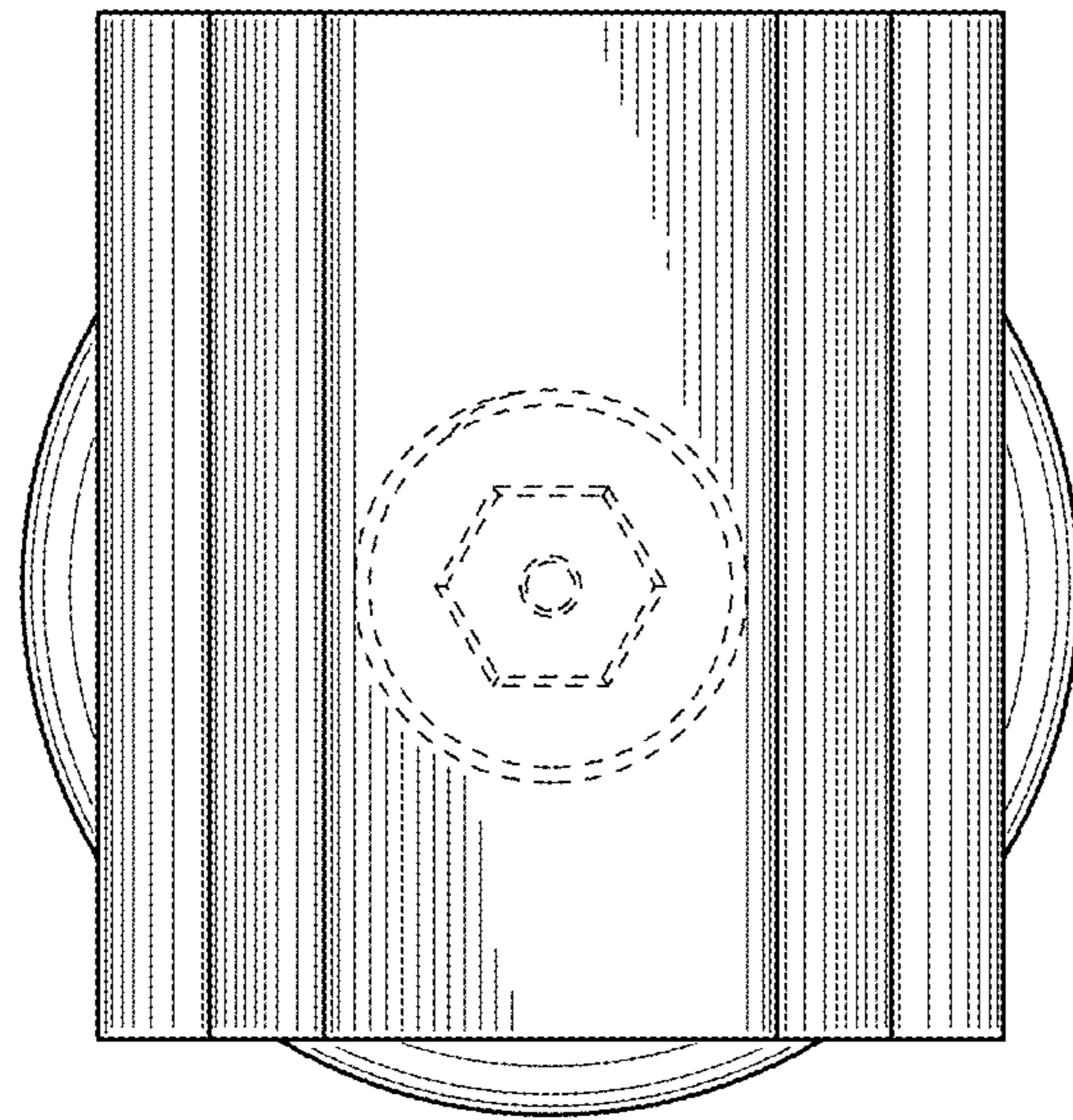
**FIG. 4**



***FIG. 5***



**FIG. 6**





**FIG. 7**

