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(12) **United States Design Patent** (10) **Patent No.:** **US D895,763 S**  
**Liu et al.** (45) **Date of Patent:** **\*\* Sep. 8, 2020**

(54) **WATER SOFTENING DEVICE** D700,625 S \* 3/2014 Iwagoshi ..... C02F 5/00  
D15/7  
(71) Applicants: **WUHU MIDEA KITCHEN AND BATH APPLIANCES MFG. CO., LTD.,** Wuhu (CN); **MIDEA GROUP CO., LTD.,** Beijiao, Shunde, Foshan (CN) 2006/0096899 A1\* 5/2006 Lillback ..... B01D 24/4642  
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(72) Inventors: **Guohua Liu,** Wuhu (CN); **Zhifeng He,** Wuhu (CN) (Continued)

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

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Apr. 28, 2018 (CN) ..... 2018 3 0189366

(51) **LOC (12) Cl.** ..... **23-01**

(52) **U.S. Cl.**  
USPC ..... **D23/207**

(58) **Field of Classification Search**

USPC ..... D23/205, 206, 207, 209, 233, 235, 336,  
D23/365, 366, 238-243, 250, 255  
CPC ..... B01D 2201/29; B01D 2201/30; B01D  
2201/301; B01D 2201/302; B01D  
2201/306; B01D 2201/309; B01D 35/30;  
C02F 1/008; F16K 31/52475; B01J 49/85  
See application file for complete search history.

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*Primary Examiner* — Sheryl Lane

*Assistant Examiner* — Calvin E Vansant

(74) *Attorney, Agent, or Firm* — Kilpatrick Townsend & Stockton, LLP

(57) **CLAIM**

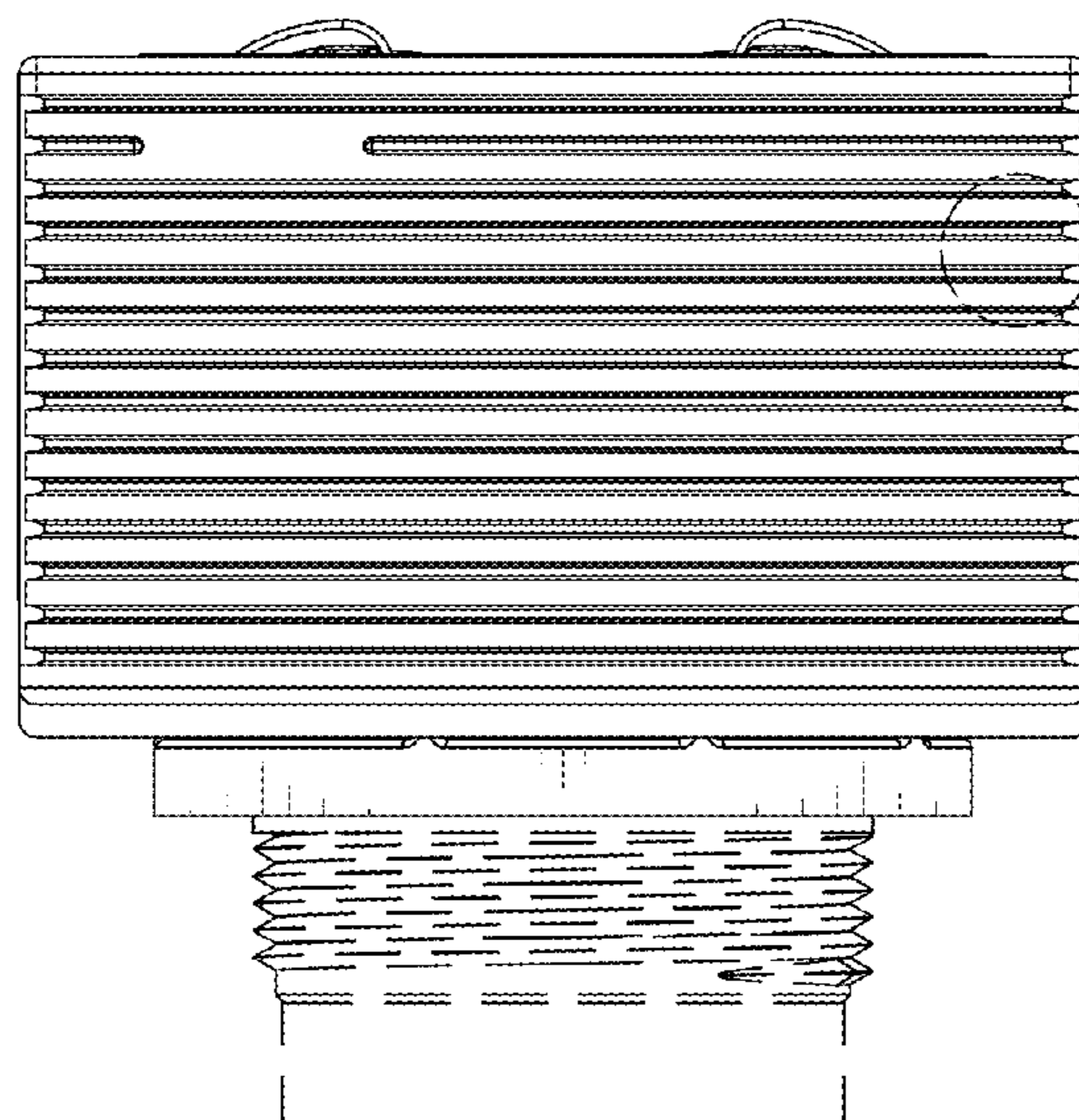
The ornamental design of a water softening device, as shown and described.

**DESCRIPTION**

FIG. 1 is a front elevation view of a water softening device, showing our new design;  
FIG. 2 is a rear elevation view thereof;  
FIG. 3 is a left side elevation view thereof;  
FIG. 4 is a right side elevation view thereof;  
FIG. 5 is a top plan view thereof;  
FIG. 6 is a bottom plan view thereof;  
FIG. 7 is a first perspective view thereof;  
FIG. 8 is a second perspective view thereof; and,  
FIG. 9 is an enlargement of a portion of FIG. 1 denoted by a broken-line circle therein.

The broken lines immediately adjacent the shaded areas represent the bounds of the claimed design while all other broken lines depict environment. The broken lines form no part of the claimed design.

**1 Claim, 9 Drawing Sheets**



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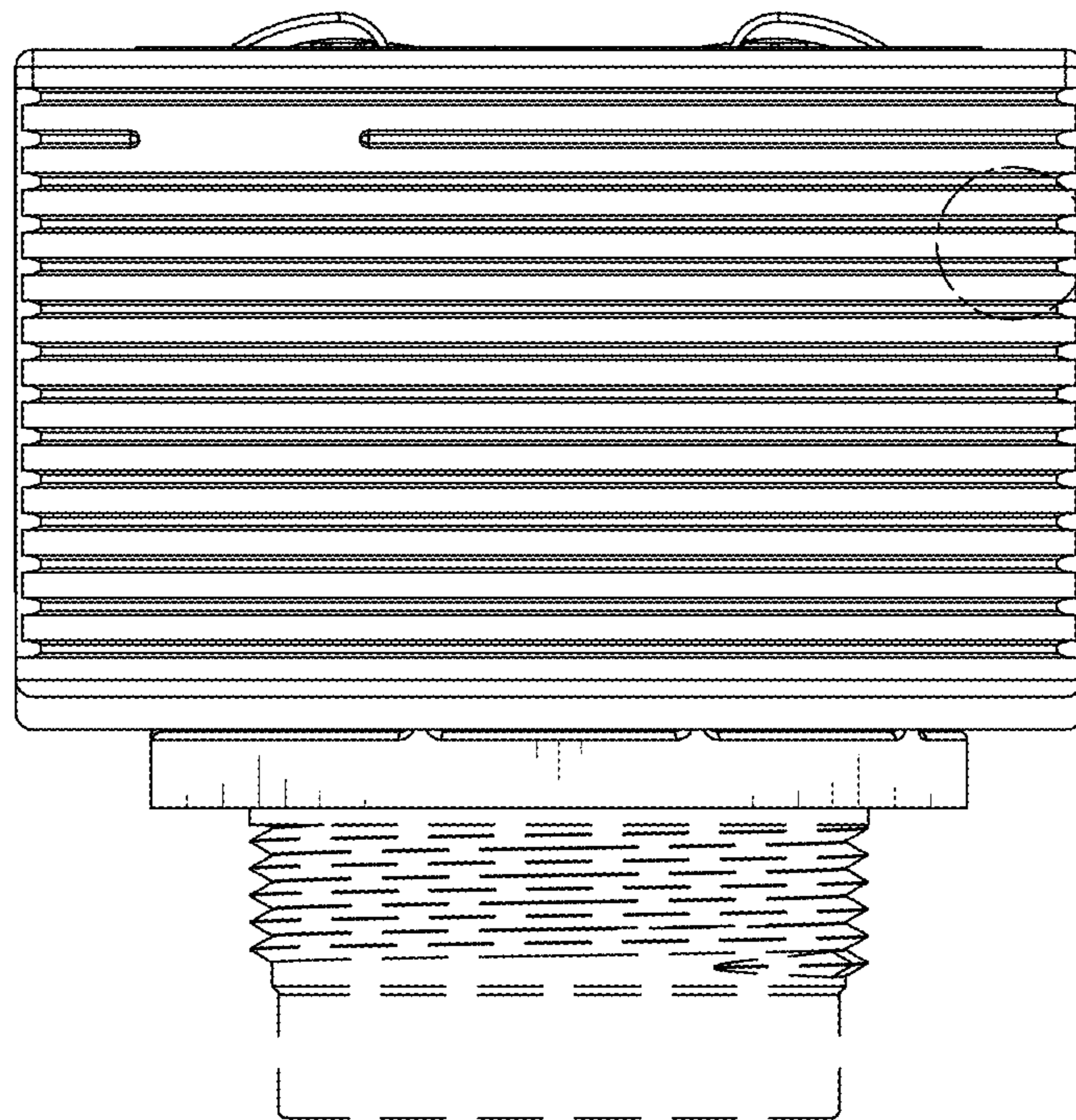


FIG. 1

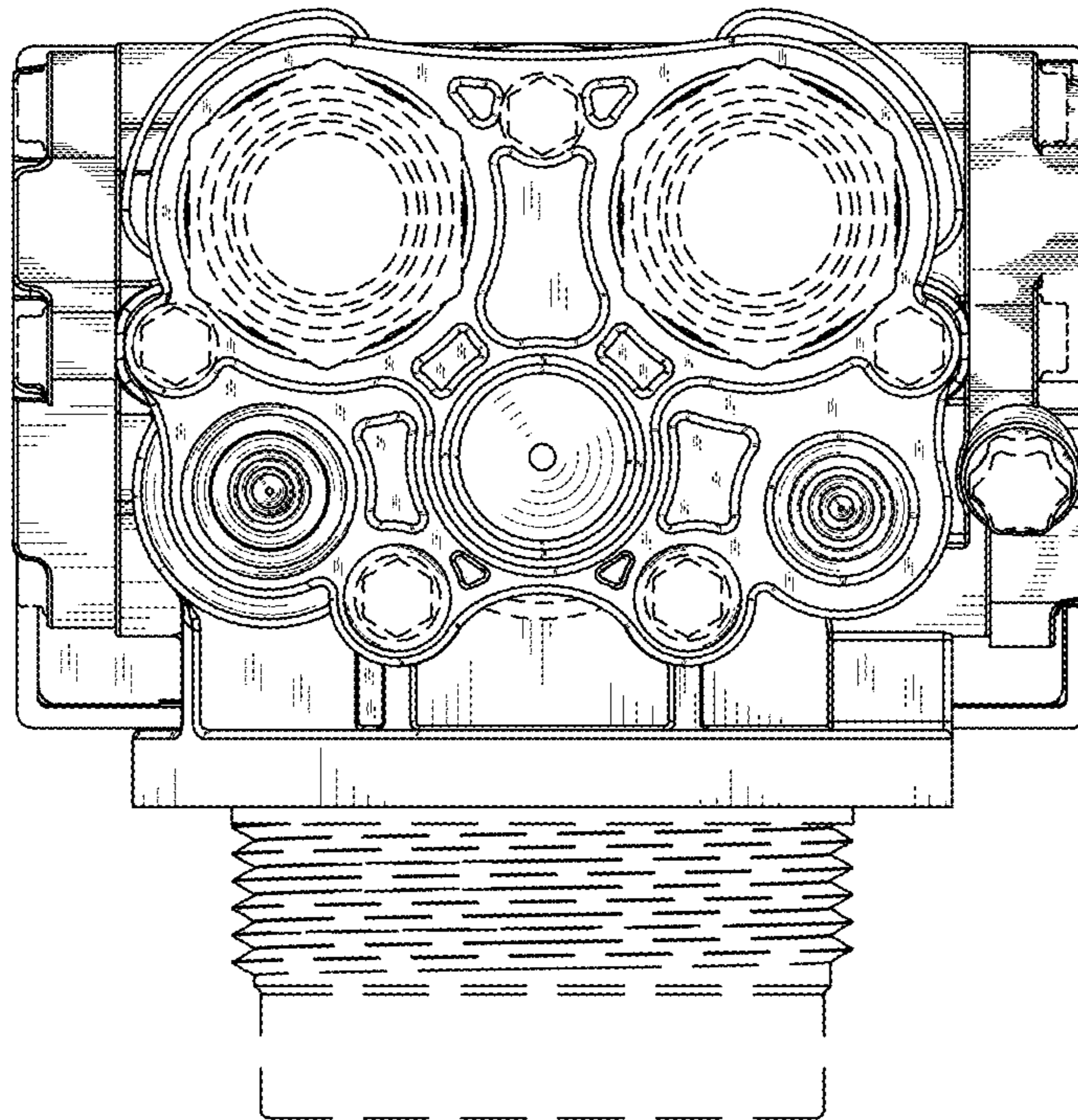


FIG. 2

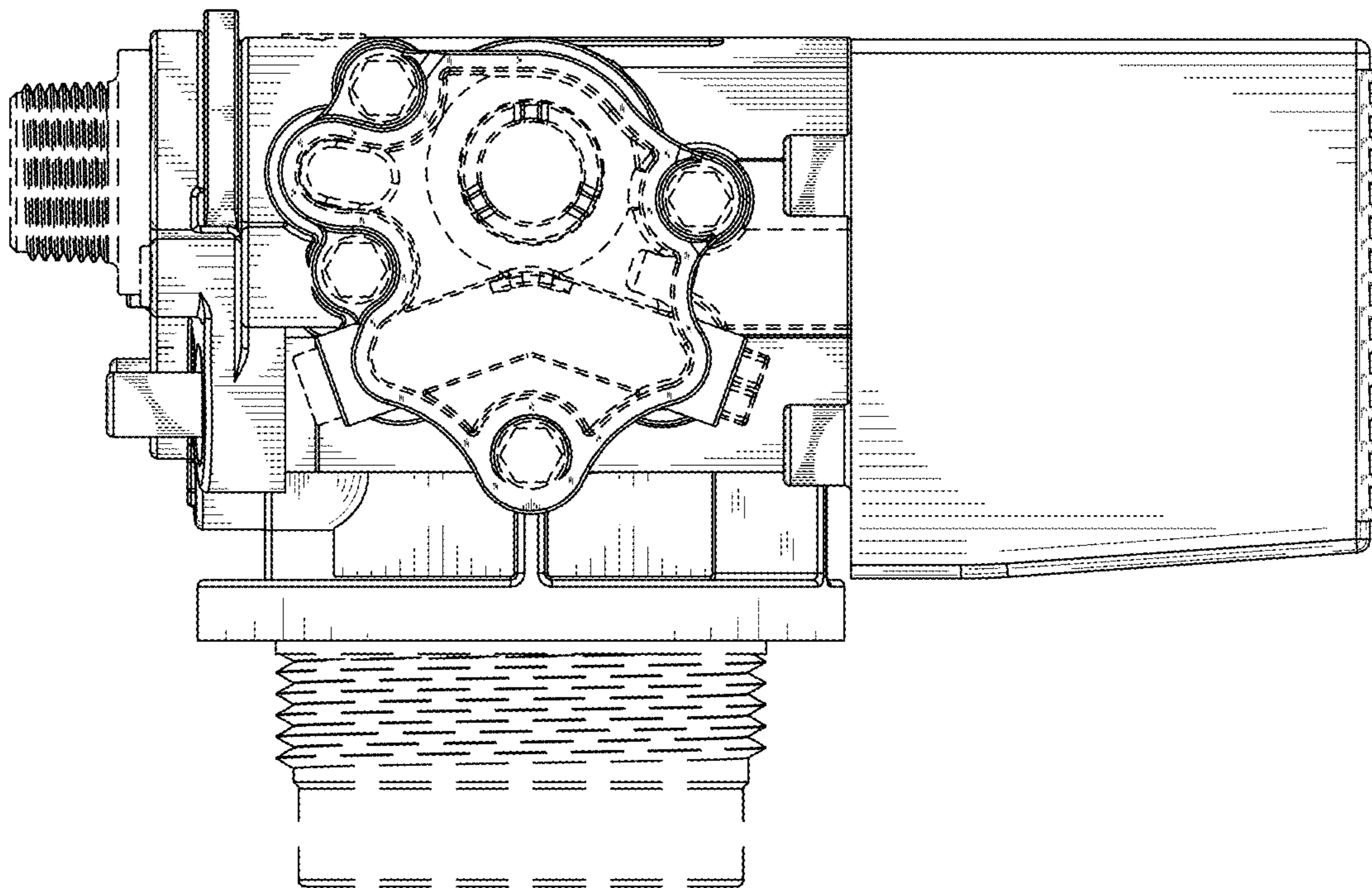


FIG. 3



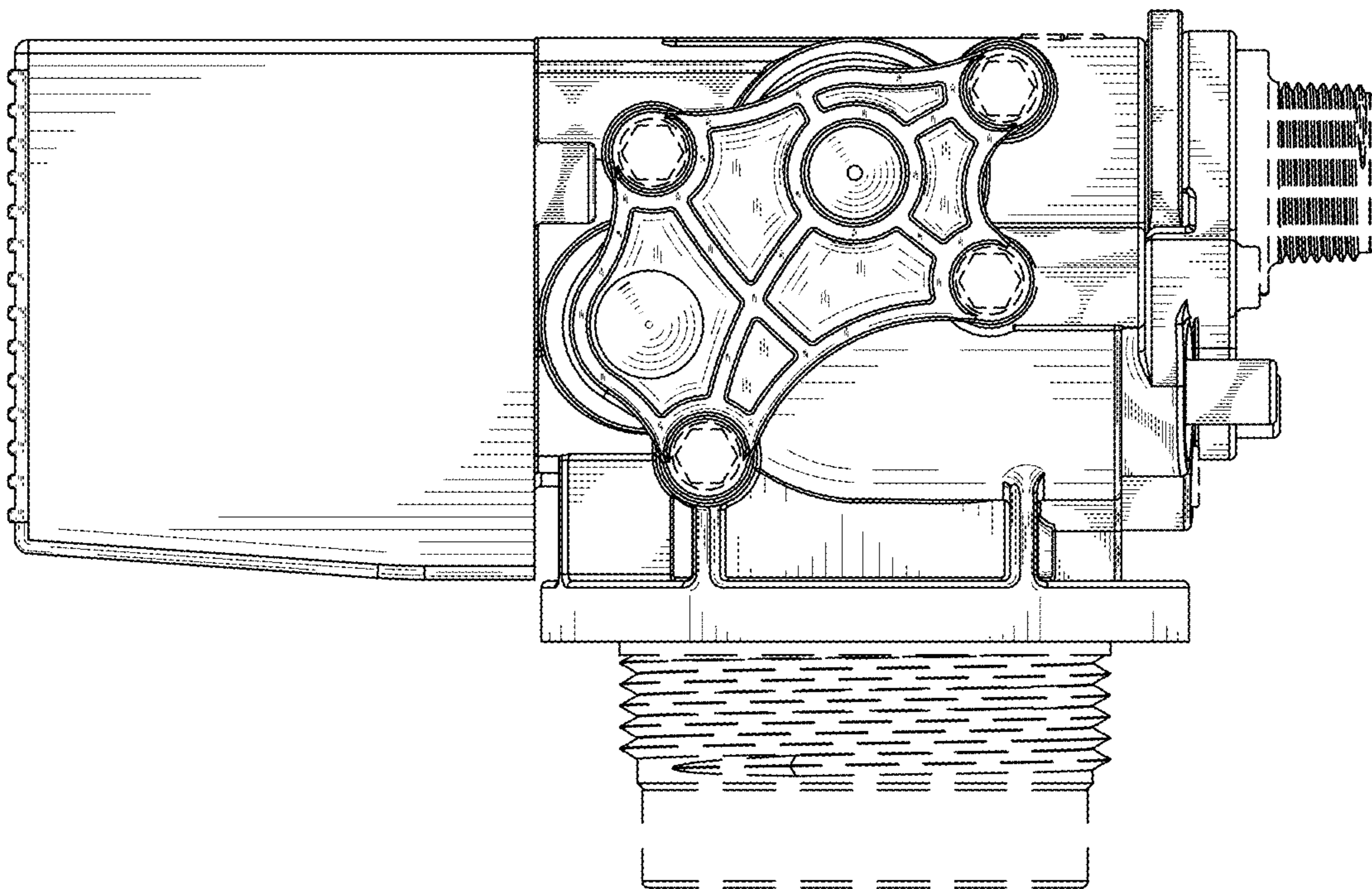


FIG. 4

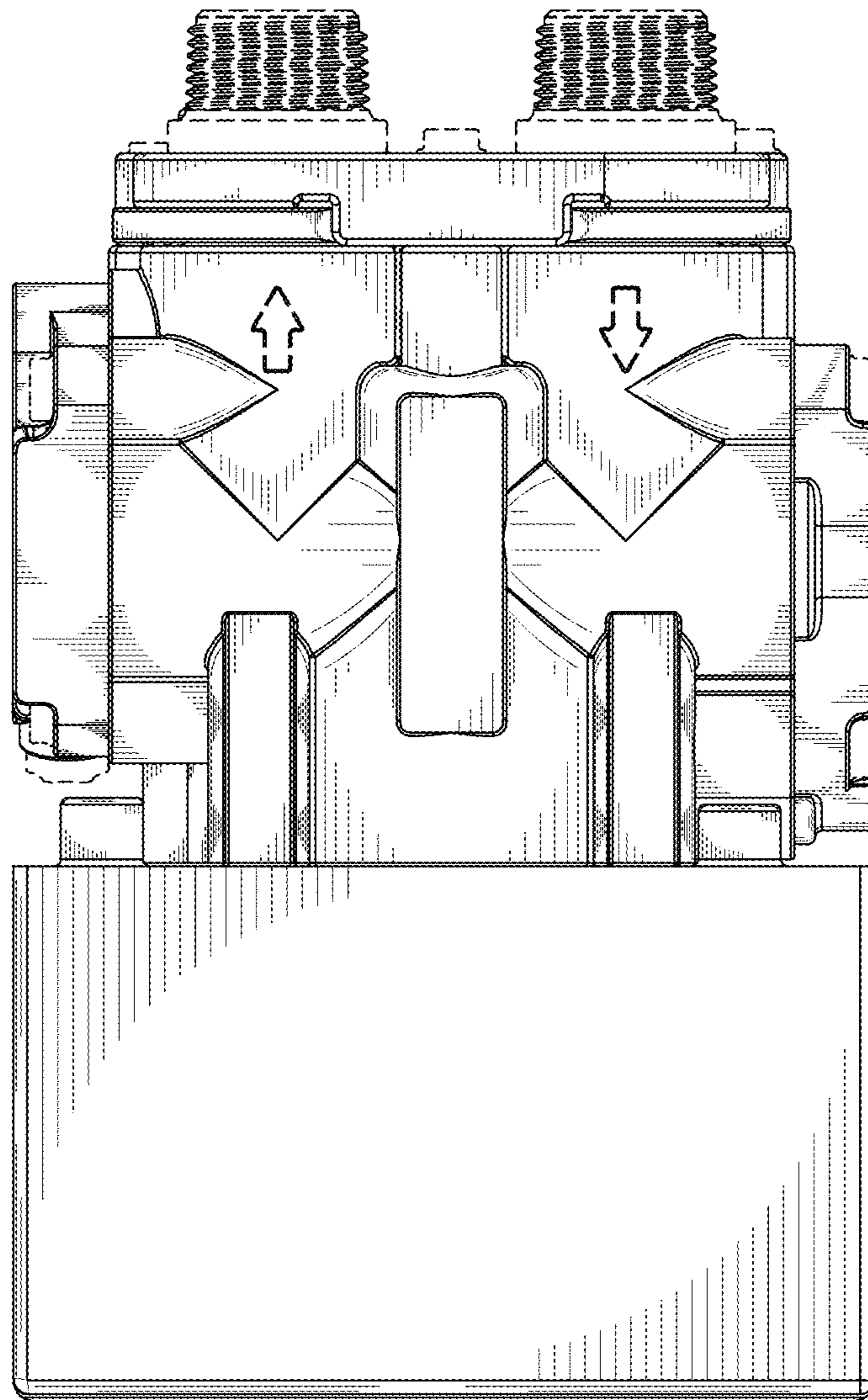


FIG. 5

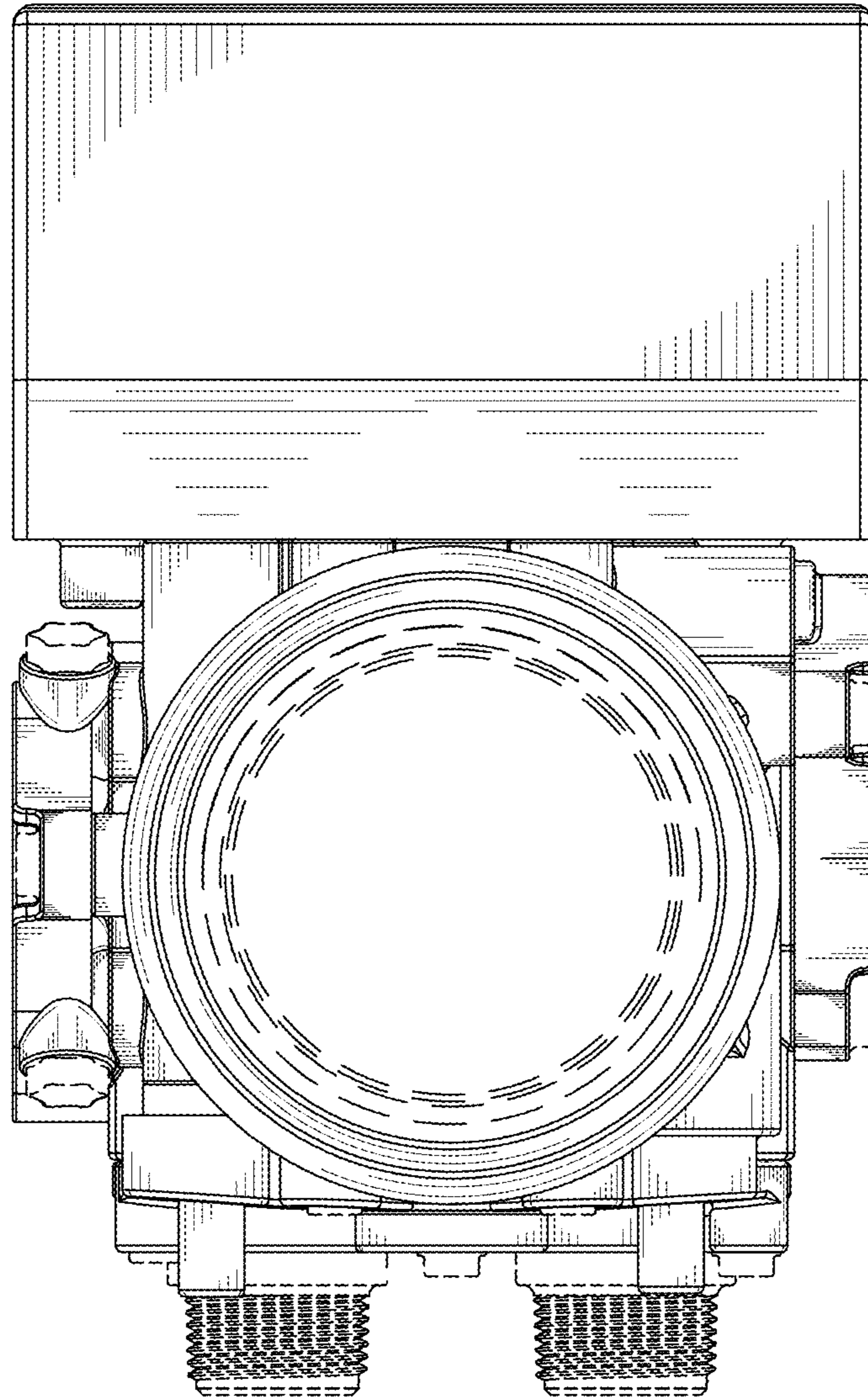


FIG. 6



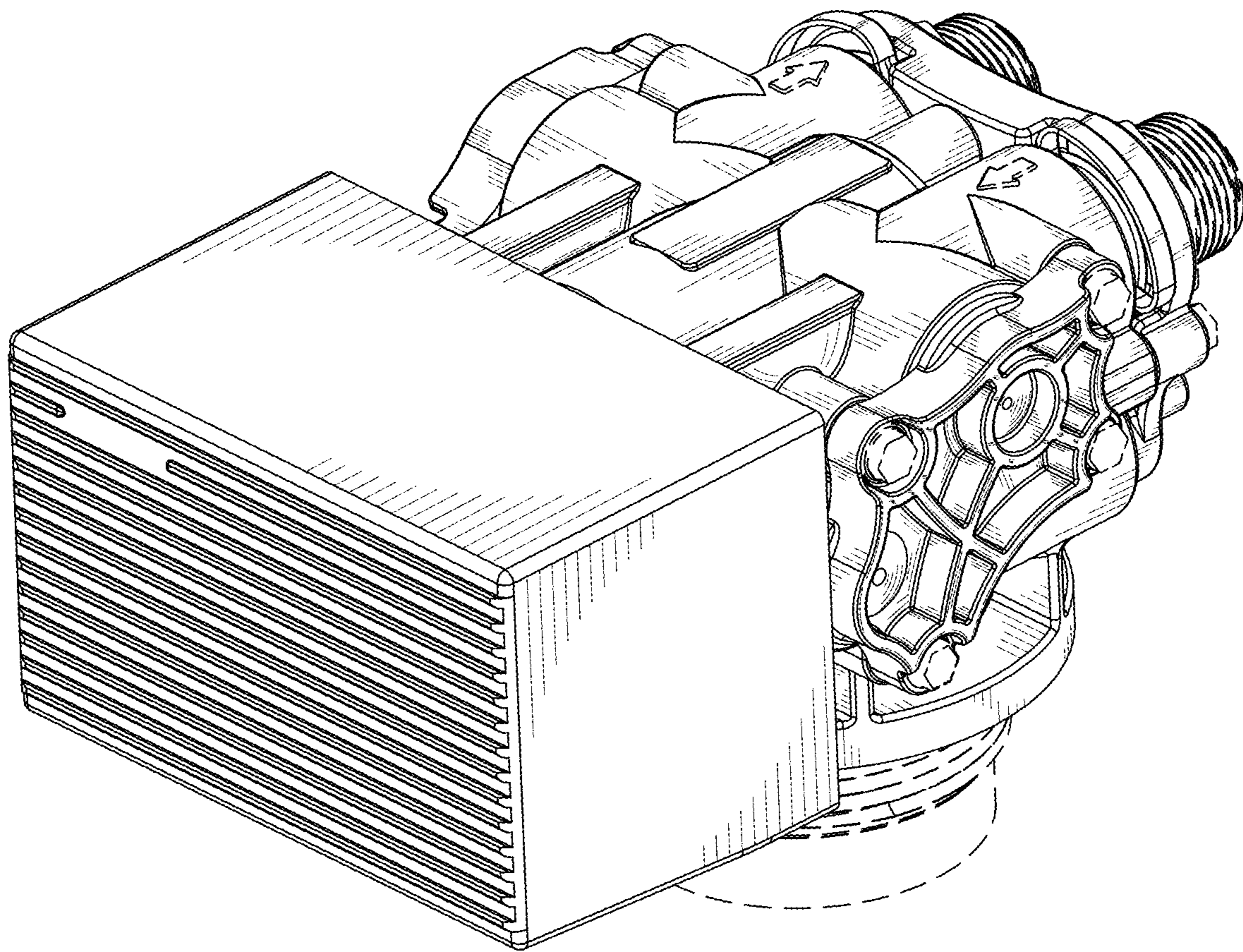


FIG. 7

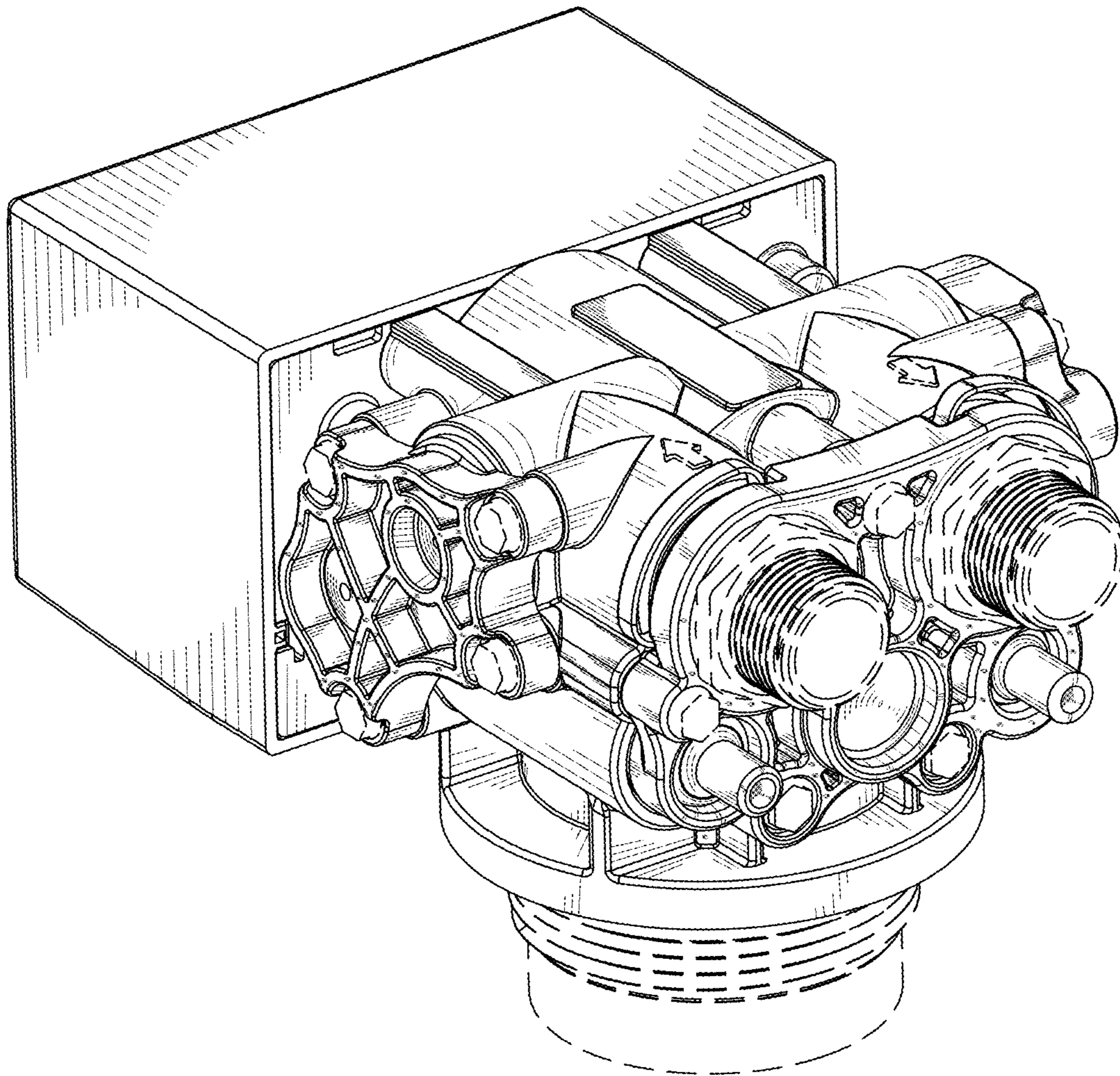


FIG. 8

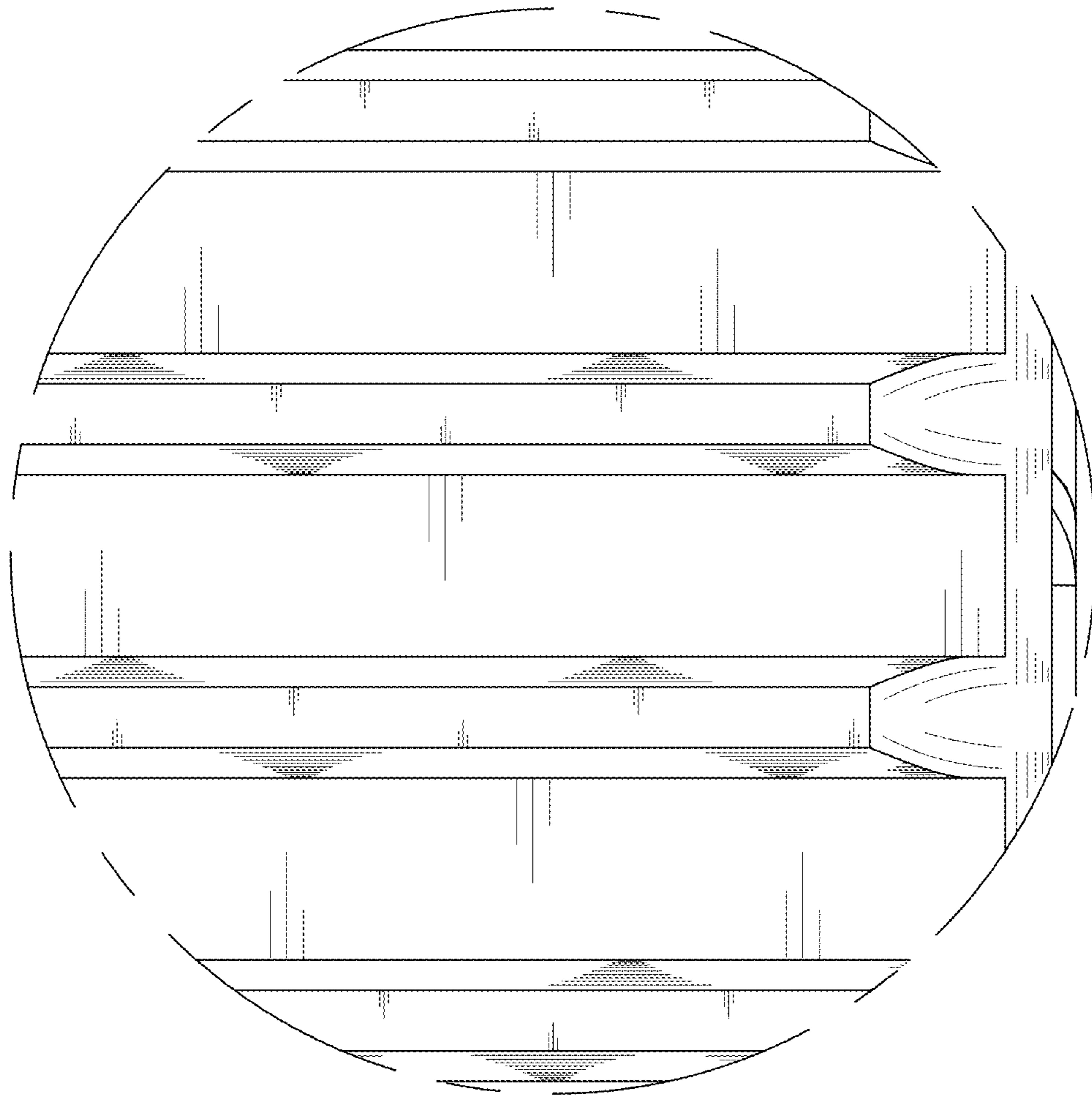


FIG. 9