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(12) **United States Design Patent**
Hasegawa

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(45) **Date of Patent:** **** Jan. 30, 2018**

(54) **VEHICLE MUFFLER**

- (71) Applicant: **HKS CO., LTD.**, Fujinomiya-shi, Shizuoka (JP)
- (72) Inventor: **Tsuyoshi Hasegawa**, Fujinomiya (JP)
- (73) Assignee: **HKS CO., LTD.**, Shizuoka (JP)
- (**) Term: **15 Years**
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- (22) Filed: **Apr. 20, 2016**
- (51) **LOC (11) Cl.** **12-16**
- (52) **U.S. Cl.**
USPC **D12/194**
- (58) **Field of Classification Search**
USPC D12/190, 194, 42-43, 317, 345, 106, D12/114, 172
CPC F02B 33/02; F02B 27/00; F02B 27/06; F01N 1/00; F01N 1/24; F01N 1/04; F01N 3/28; F01N 3/10; F01N 3/035; F01N 3/00; F01N 3/023; F01N 3/025; F01N 3/02; F01N 3/05; F01N 13/00; F01N 13/04; F01N 13/1805; F01N 13/08; F01N 13/082; F01N 7/14; F01N 7/24; F01N 7/08; F01N 7/18; F01N 2340/04; B60K 13/04; B60K 13/00
See application file for complete search history.

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Primary Examiner — Barbara Fox

Assistant Examiner — Messina L Smith

(74) *Attorney, Agent, or Firm* — Westerman, Hattori, Daniels & Adrian, LLP

(57) **CLAIM**

The ornamental design for a vehicle muffler, as shown and described.

DESCRIPTION

FIG. 1 is a front view of first embodiment of a vehicle muffler showing my new design.
 FIG. 2 is a back view thereof.
 FIG. 3 is a top view thereof.
 FIG. 4 is a bottom view thereof.
 FIG. 5 is a right side view thereof.
 FIG. 6 is a left side view thereof.
 FIG. 7 is a front view of second embodiment of a vehicle muffler showing my new design.
 FIG. 8 is a back view thereof.
 FIG. 9 is a top view thereof.
 FIG. 10 is a bottom view thereof.
 FIG. 11 is a right side view thereof.
 FIG. 12 is a left side view thereof; and,
 FIG. 13 is a cross sectional view along a line 13-13 in FIG. 7.
 The broken lines in the drawings illustrate portions of the vehicle muffler that form no part of the claimed design.

1 Claim, 11 Drawing Sheets

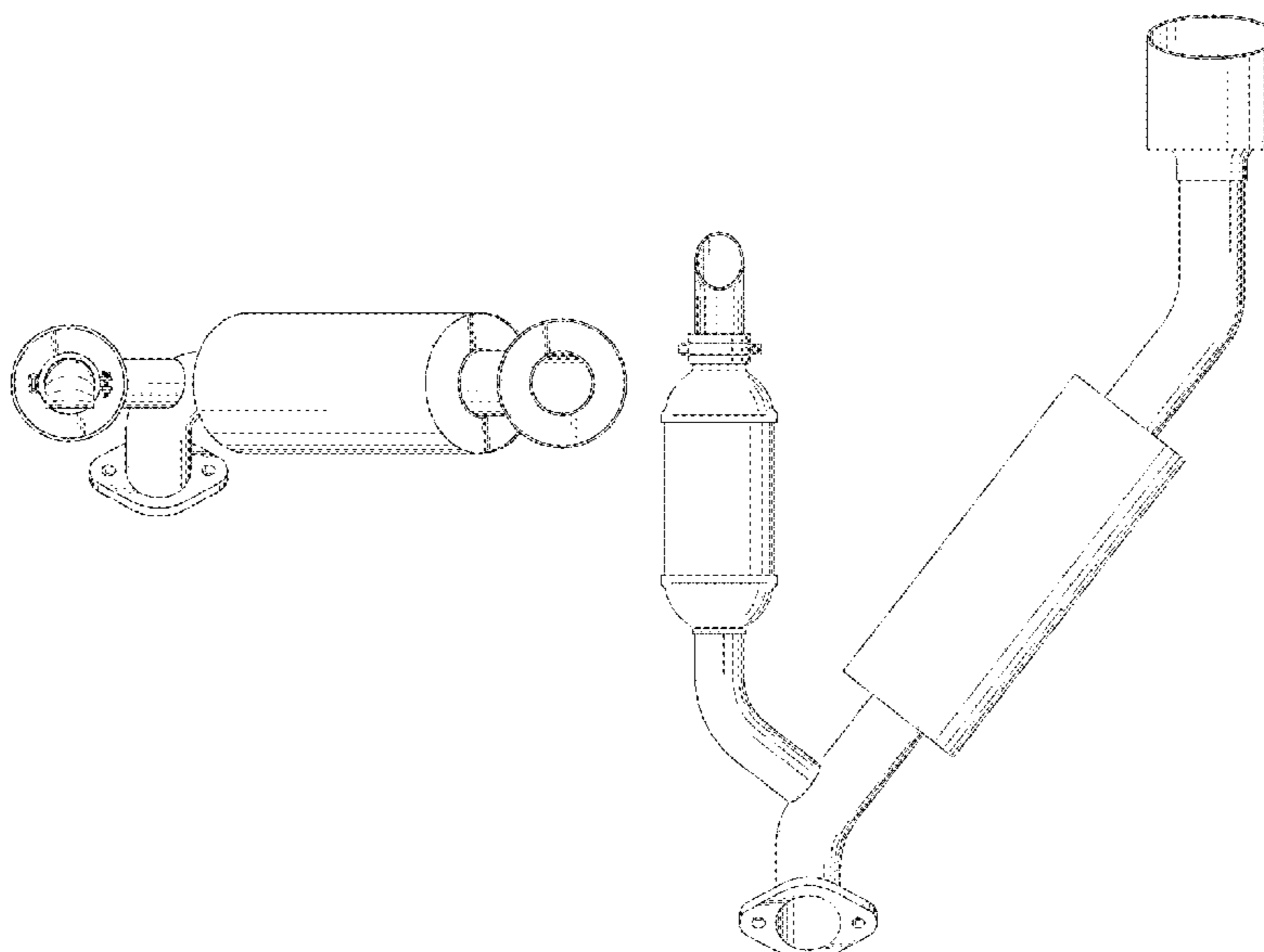


FIG. 1

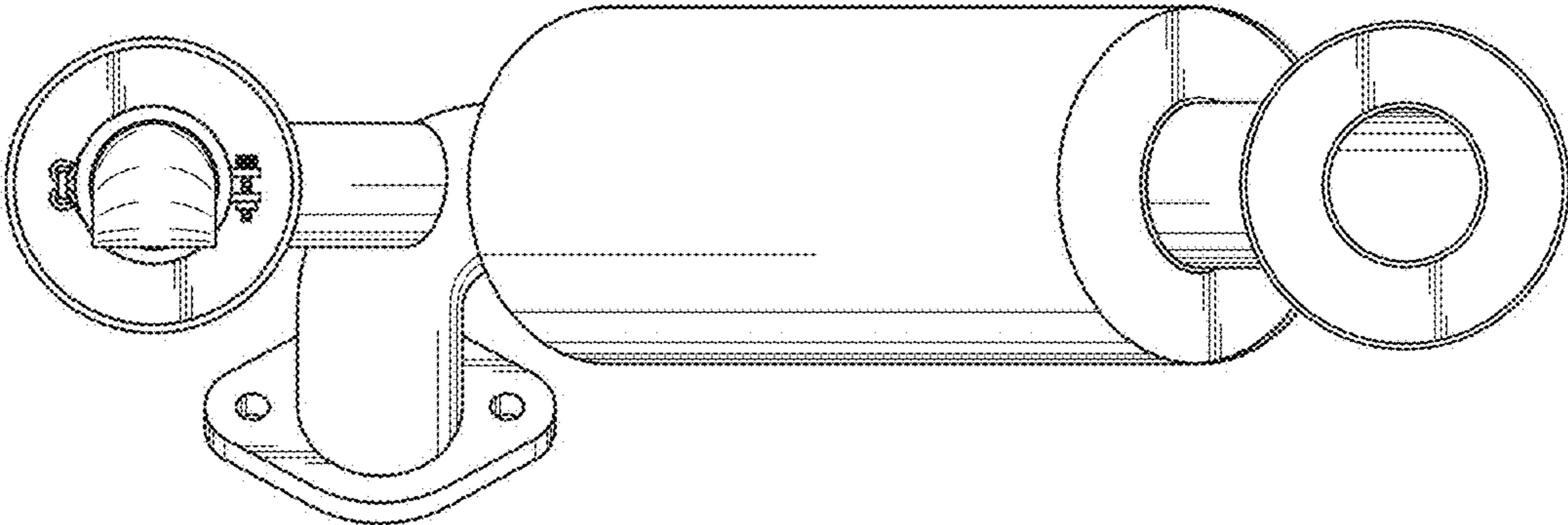


FIG. 2

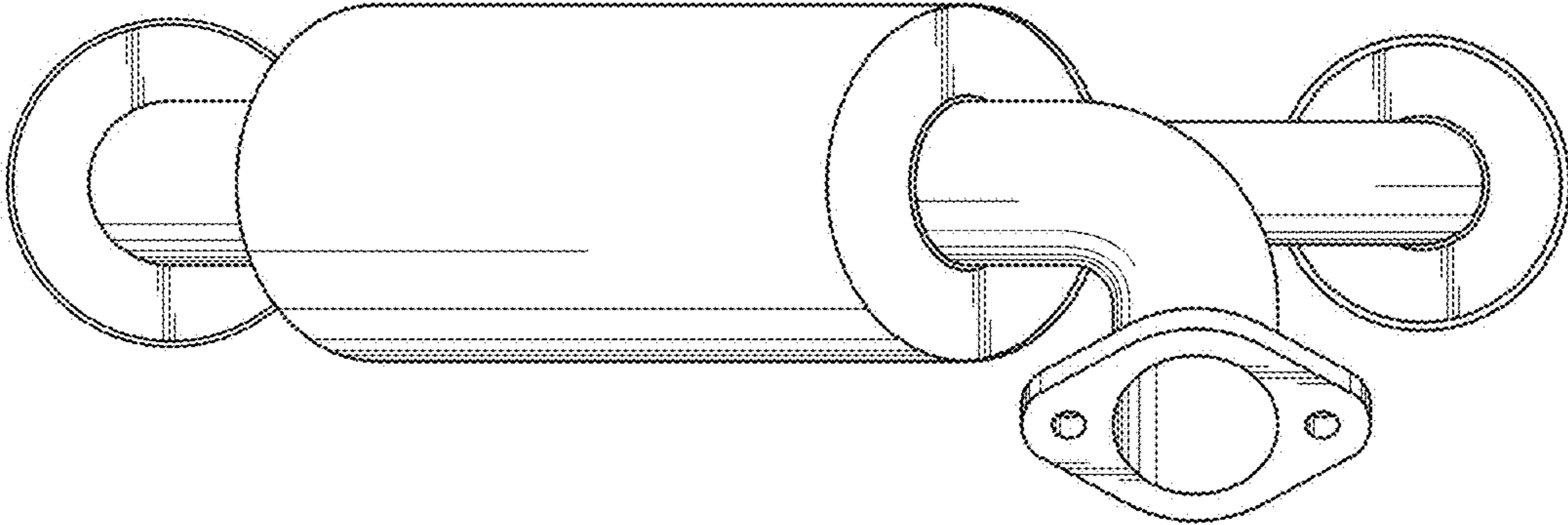


FIG. 3

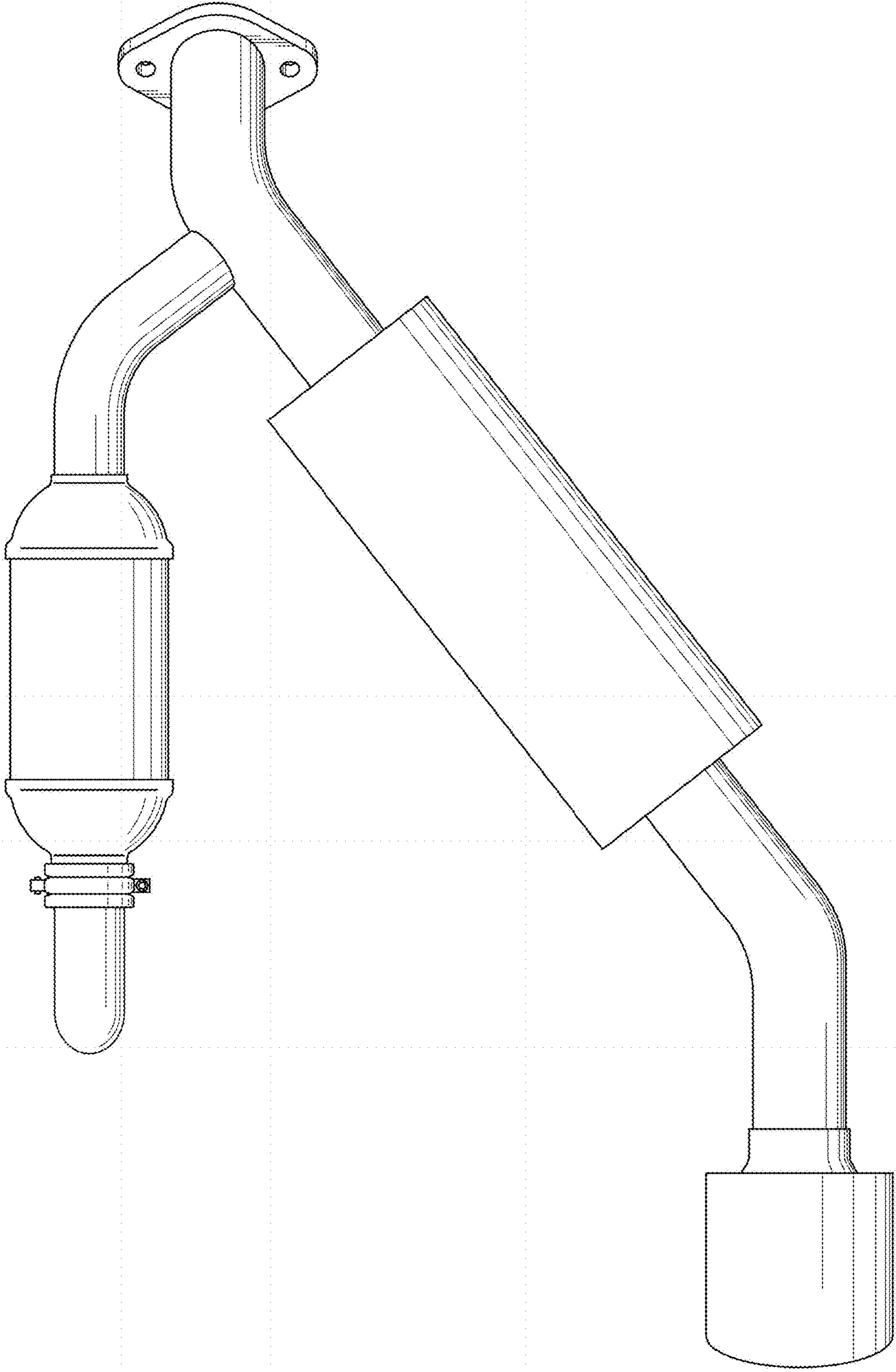


FIG. 4

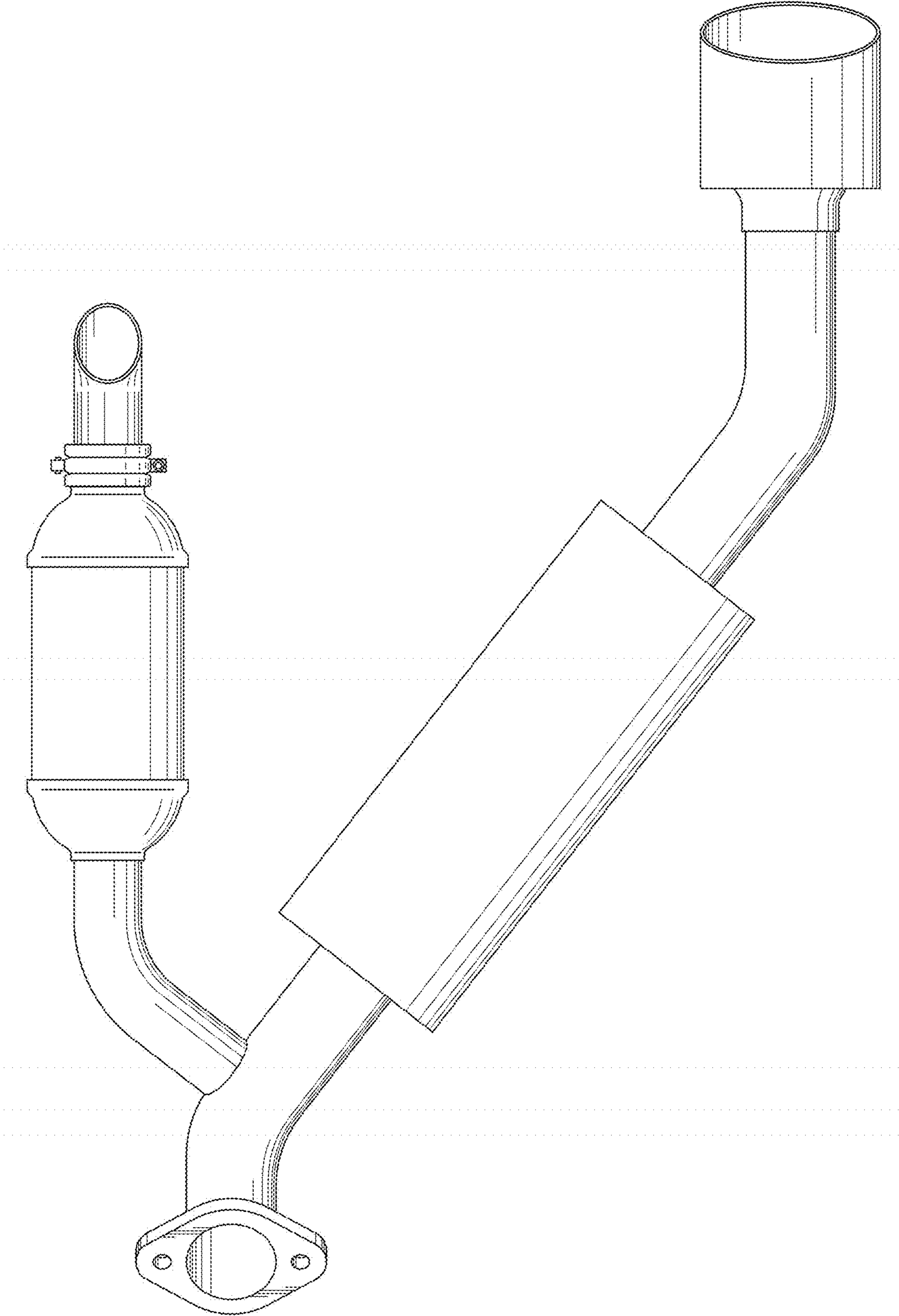


FIG. 5

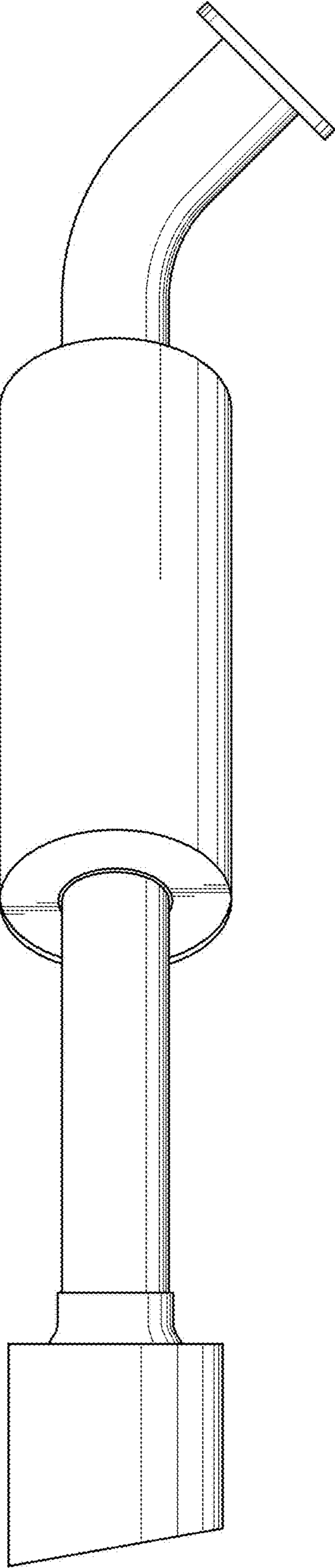


FIG. 6

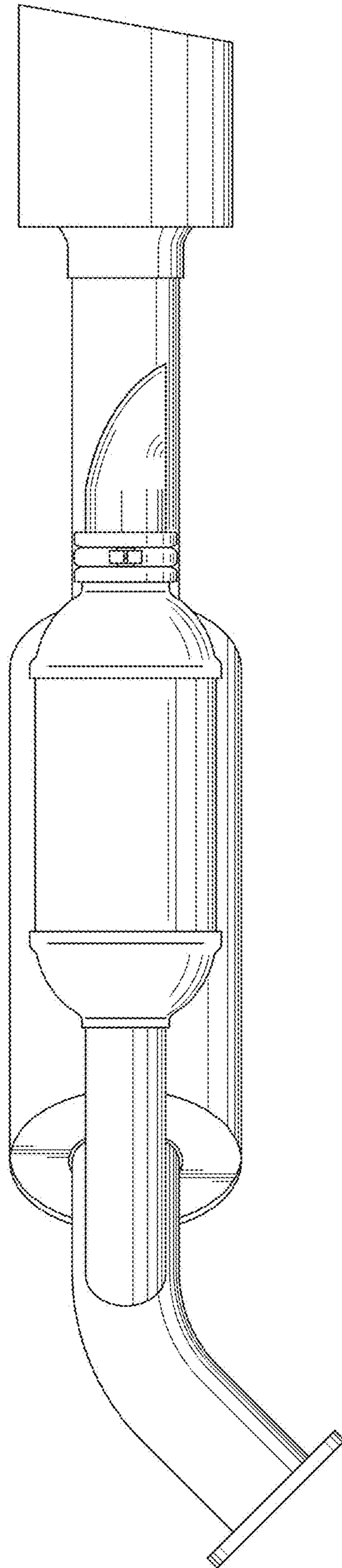


FIG. 7

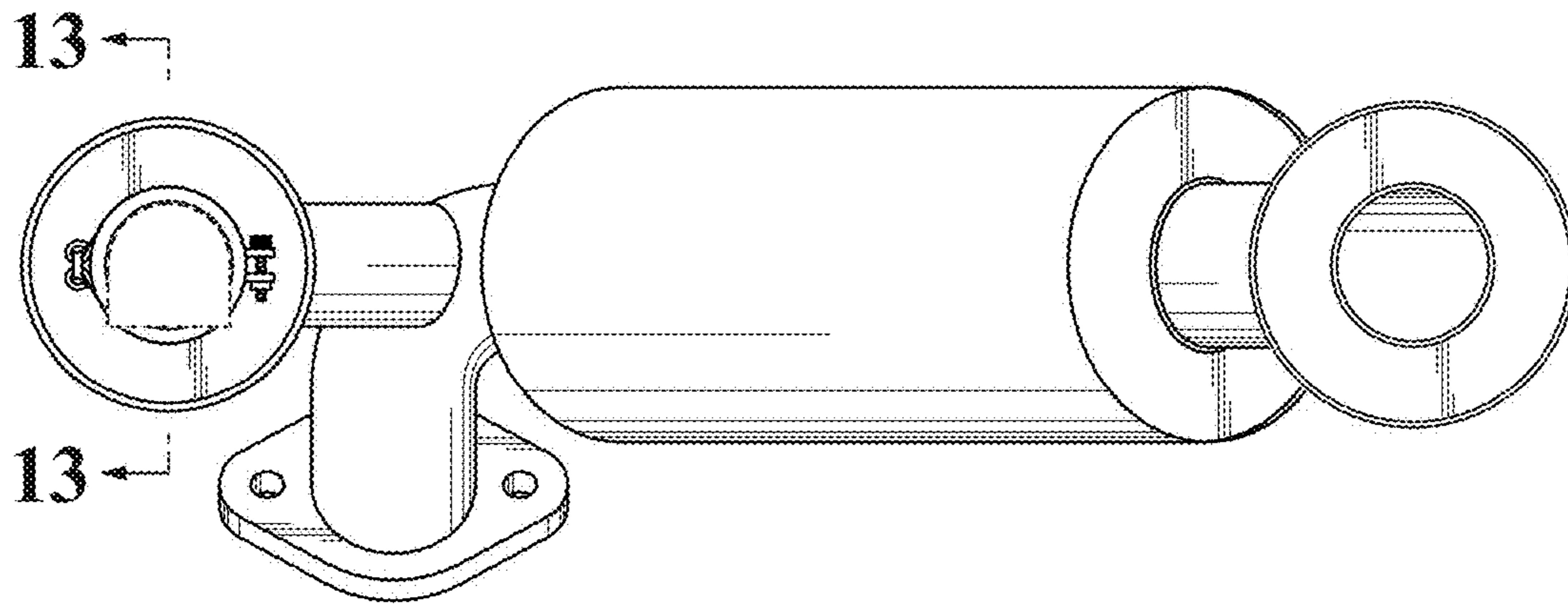


FIG. 8

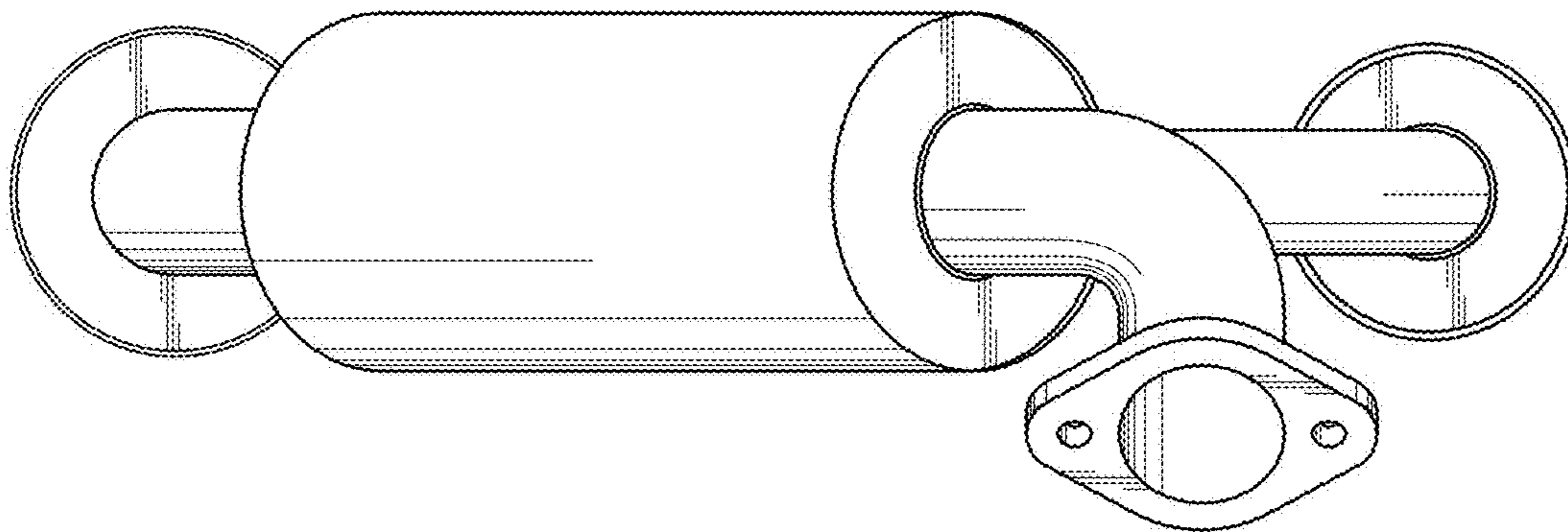


FIG. 9

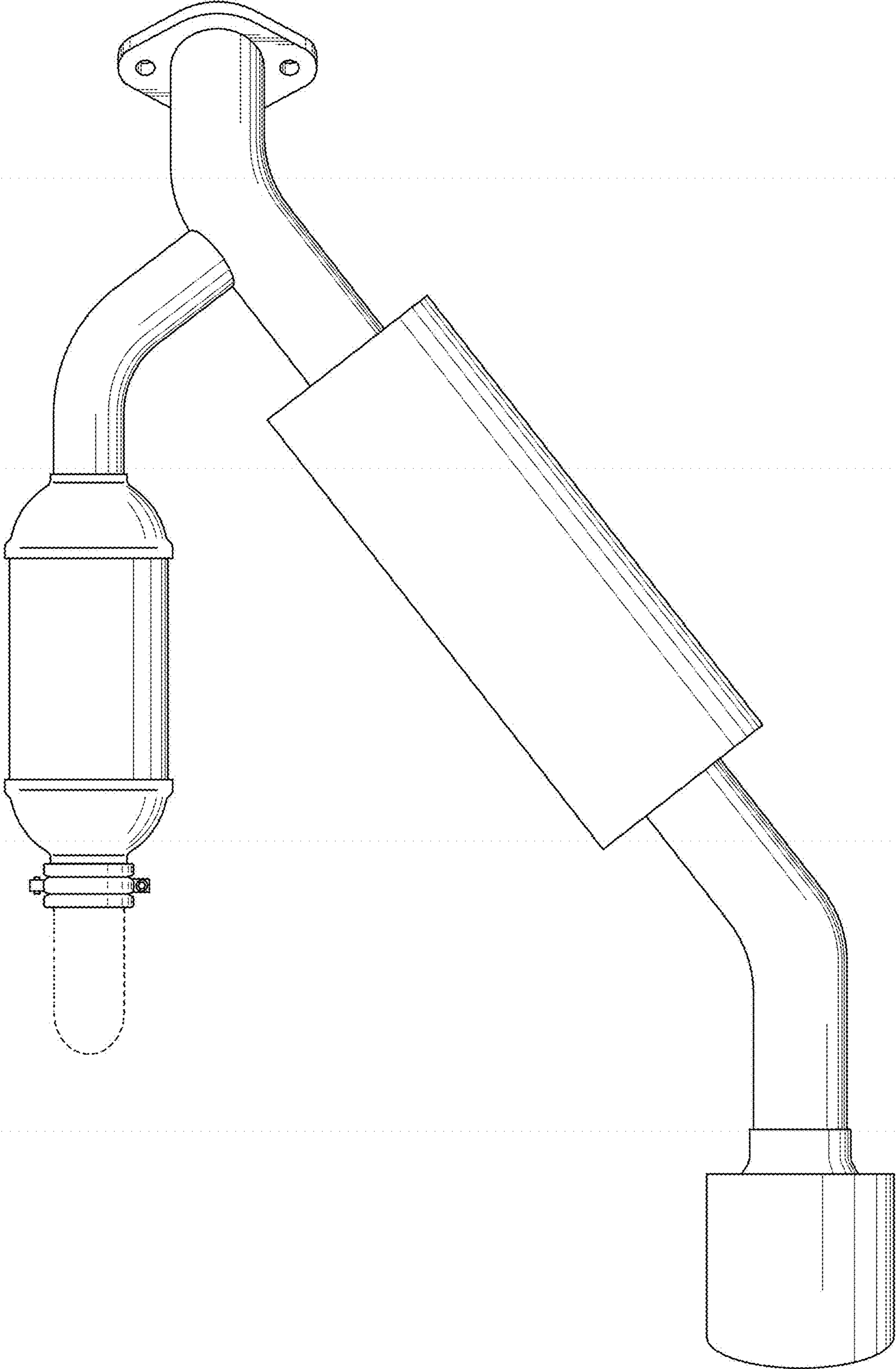


FIG. 10

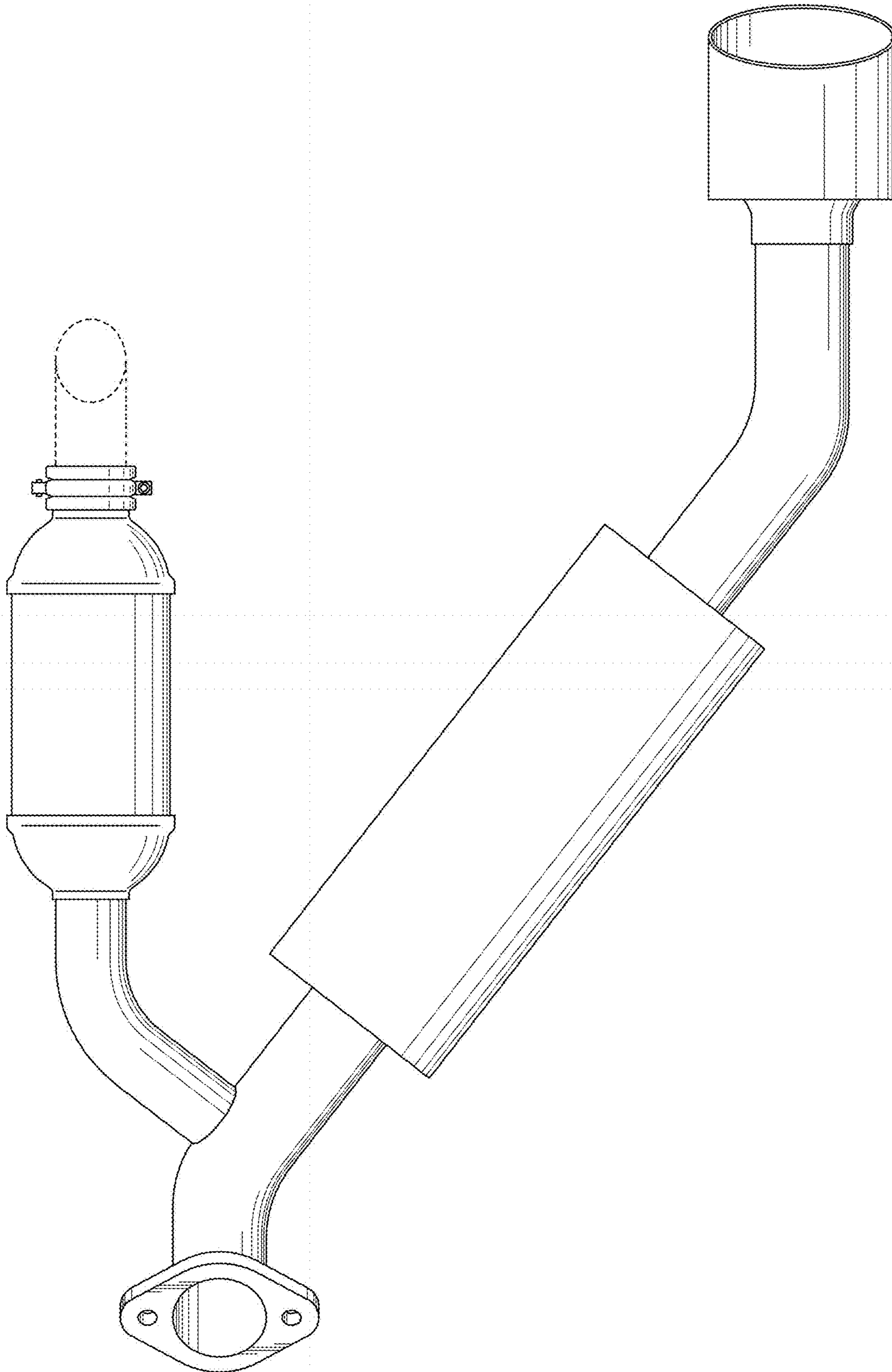


FIG. 11

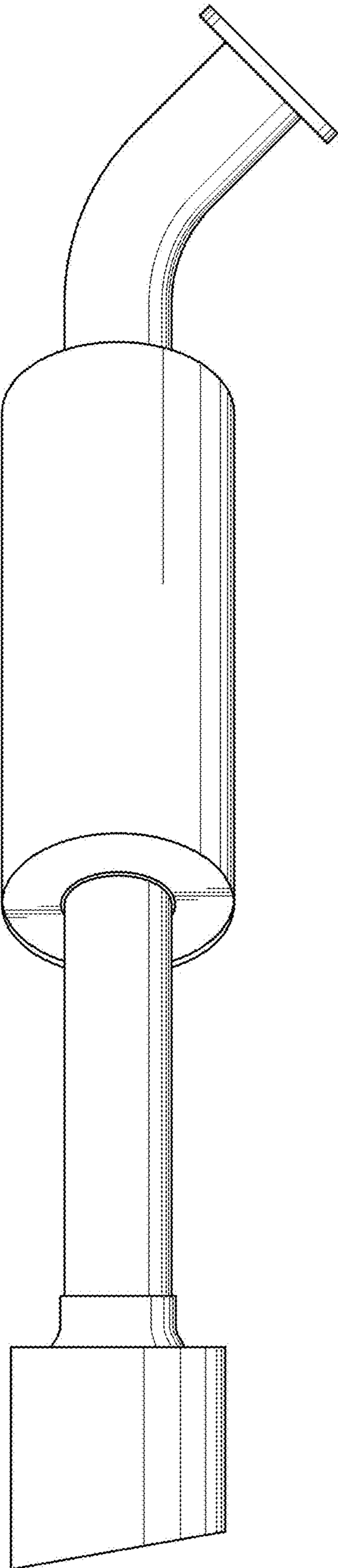


FIG. 12

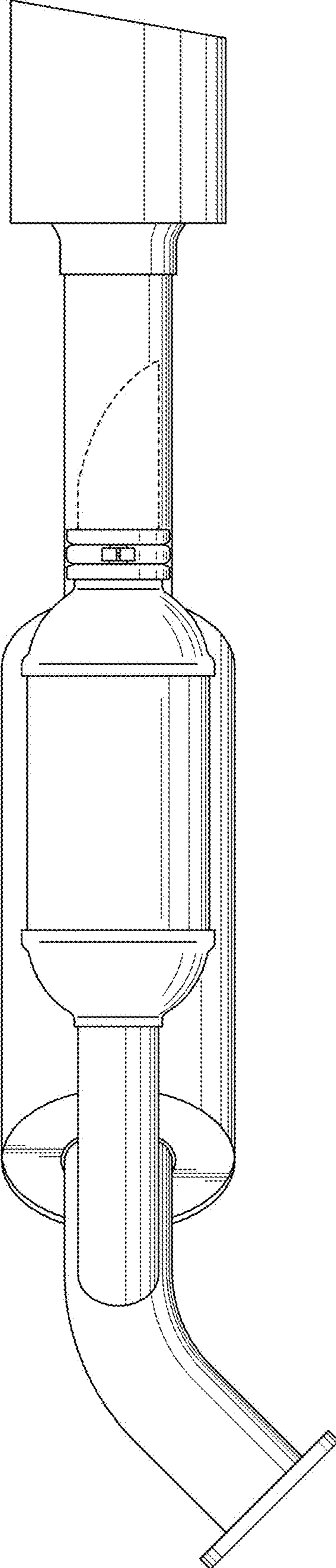


FIG. 13

