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

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(54) **EXHAUST MANIFOLD**

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(\*\*) Term: **14 Years**

(21) Appl. No.: **29/441,906**

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(51) **LOC (10) Cl.** ..... **12-16**

(52) **U.S. Cl.**  
USPC ..... **D12/194**

(58) **Field of Classification Search**  
USPC ..... D12/194; D15/5; 293/113; 29/890.08;  
180/89.2, 296, 309; 181/247-249, 264,  
181/282, 239-241, 227, 228; 60/303, 313,  
60/323; 138/37-39, 44, 103, 109  
See application file for complete search history.

(56) **References Cited**

**U.S. PATENT DOCUMENTS**

3,491,534 A \* 1/1970 Garner ..... 60/313  
3,791,617 A \* 2/1974 Press ..... 251/8  
D399,467 S \* 10/1998 Erion et al. .... D12/194

D406,593 S \* 3/1999 Bittle ..... D15/5  
D454,320 S \* 3/2002 Martin ..... D12/194  
6,647,714 B1 \* 11/2003 Gerber ..... 60/313  
6,796,296 B2 \* 9/2004 Kim ..... 123/590  
6,990,806 B1 \* 1/2006 Kinsel ..... 60/321  
D533,568 S \* 12/2006 Thomas ..... D15/5  
D561,078 S \* 2/2008 Bigg ..... D12/194  
D561,079 S \* 2/2008 Bigg ..... D12/194  
D624,474 S 9/2010 Hsu  
D636,316 S 4/2011 Hsu  
D647,022 S 10/2011 Hsu  
D685,706 S \* 7/2013 Cruz et al. .... D12/194

\* cited by examiner

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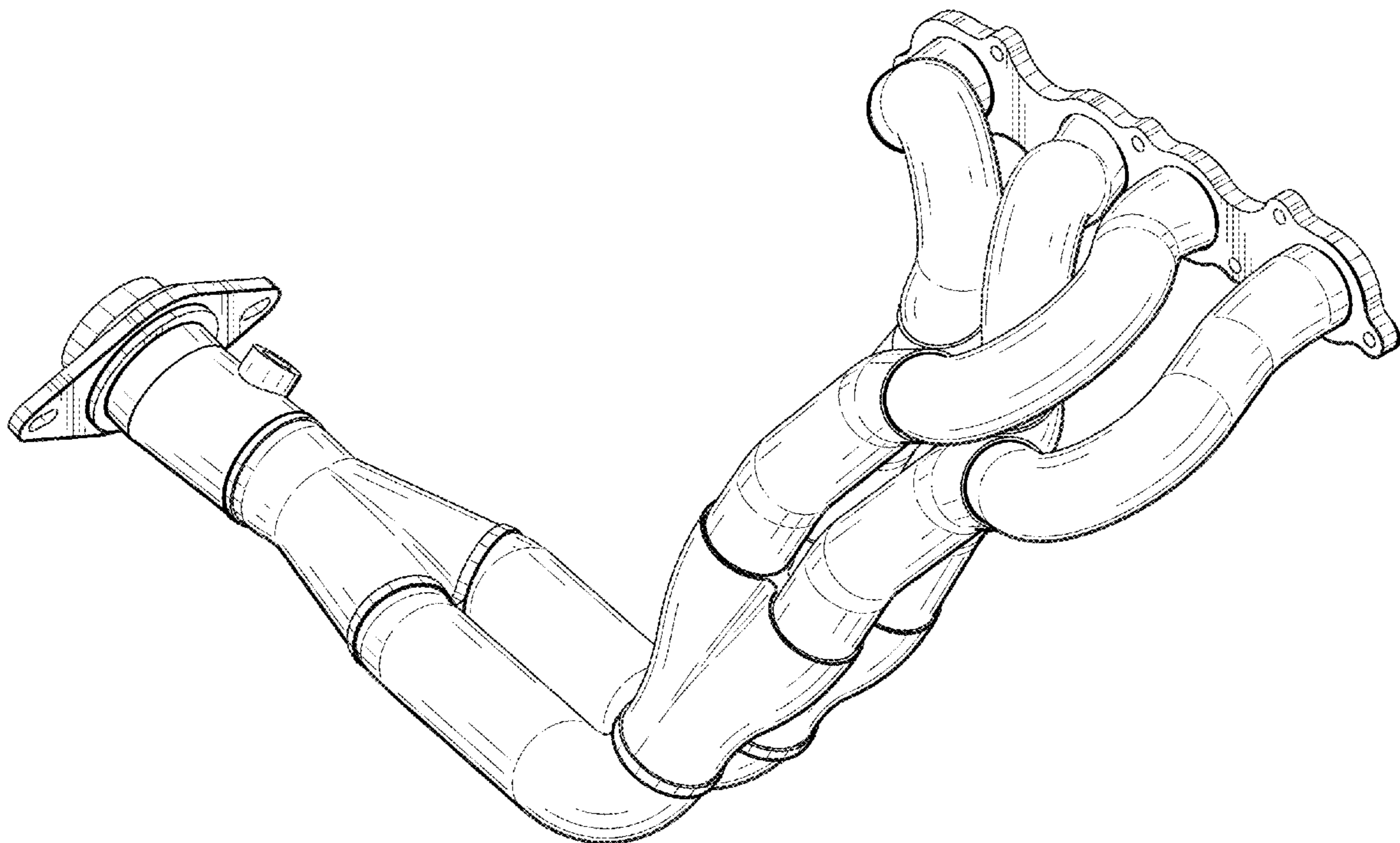
(57) **CLAIM**

The ornamental design for an exhaust manifold, as shown and described.

**DESCRIPTION**

FIG. 1 is a front perspective view of an exhaust manifold according to the present invention;  
FIG. 2 is a front view thereof;  
FIG. 3 is a right side view thereof;  
FIG. 4 is a rear view thereof;  
FIG. 5 is a left side view thereof;  
FIG. 6 is a top view thereof; and,  
FIG. 7 is a bottom view thereof.

**1 Claim, 5 Drawing Sheets**



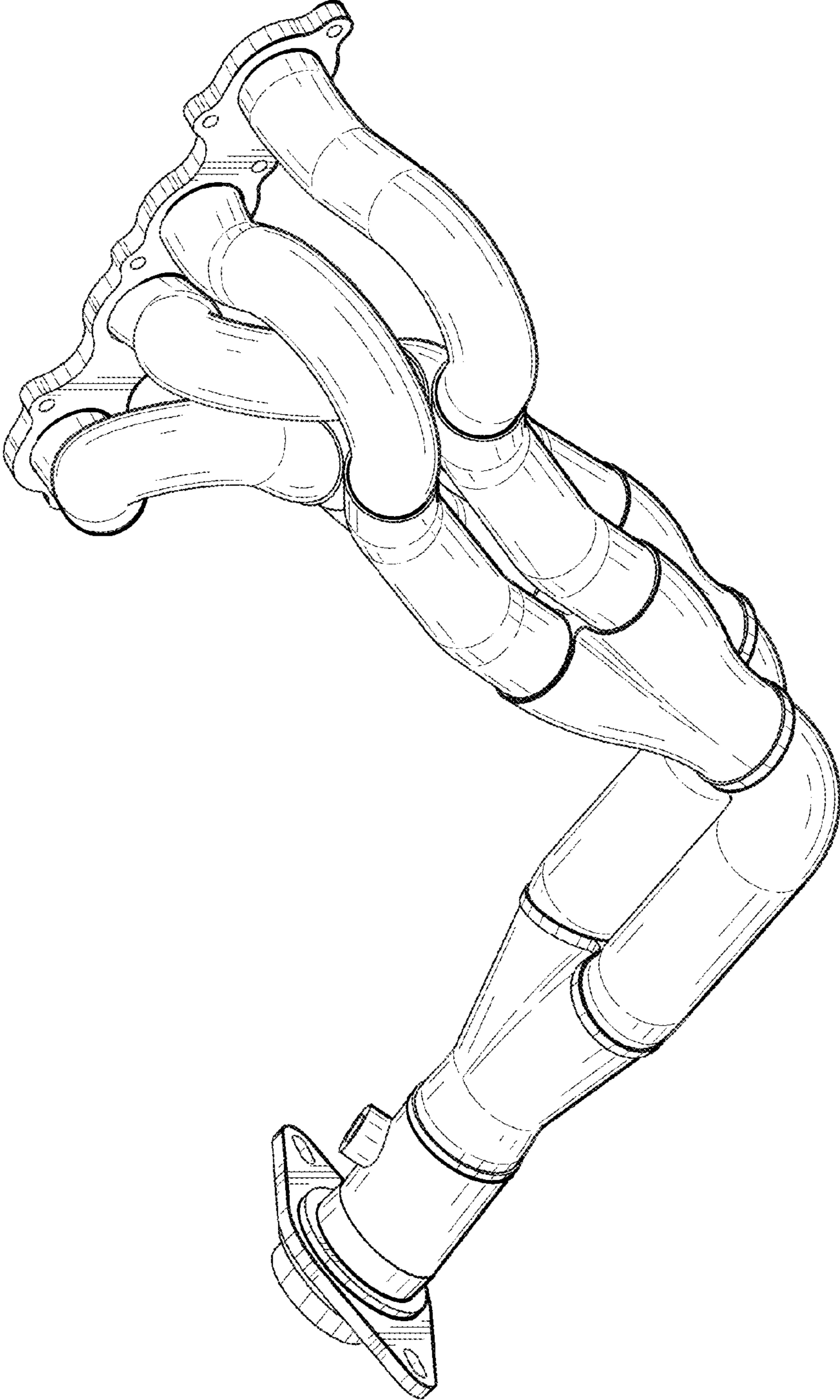


FIG. 1

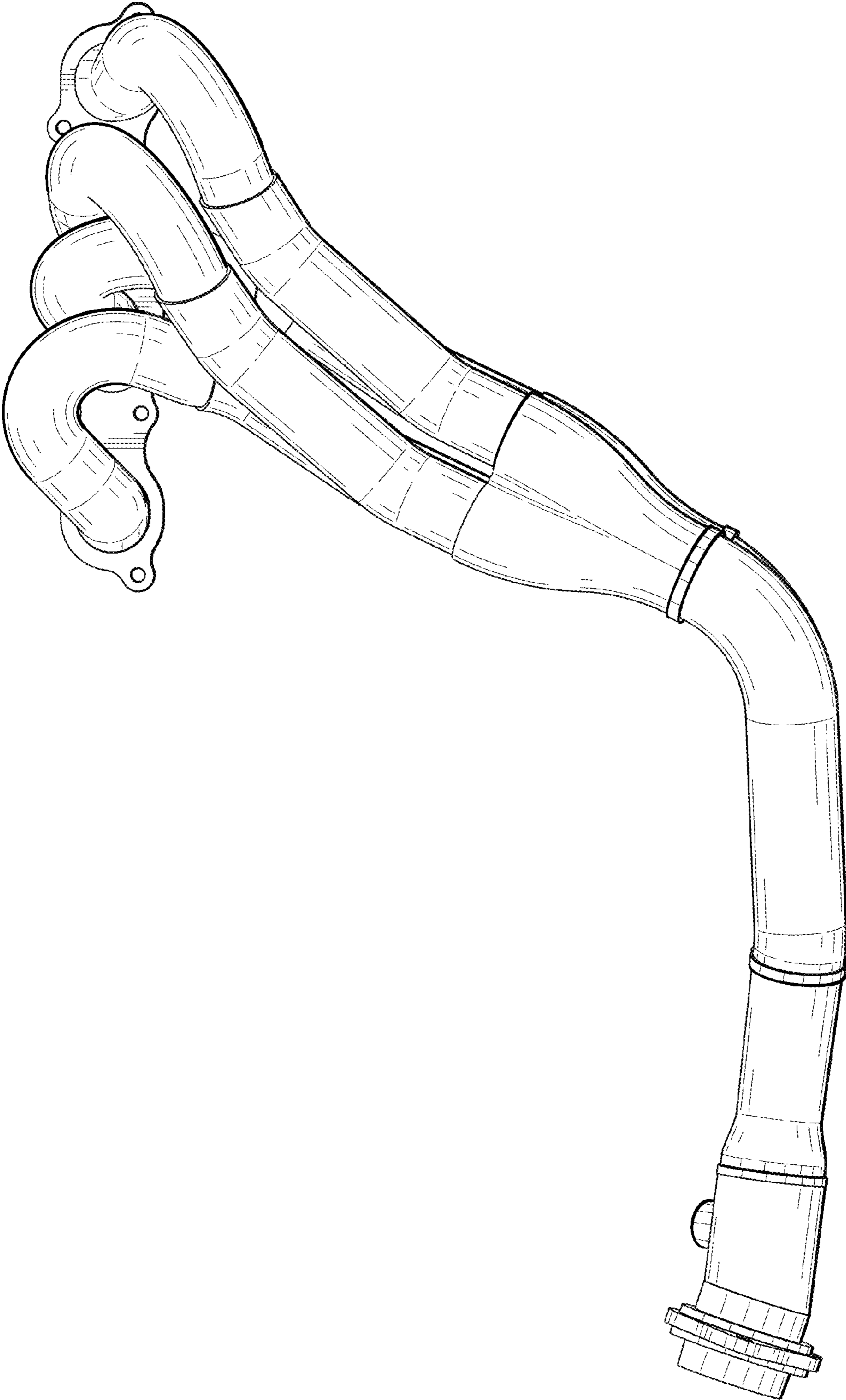


FIG. 2

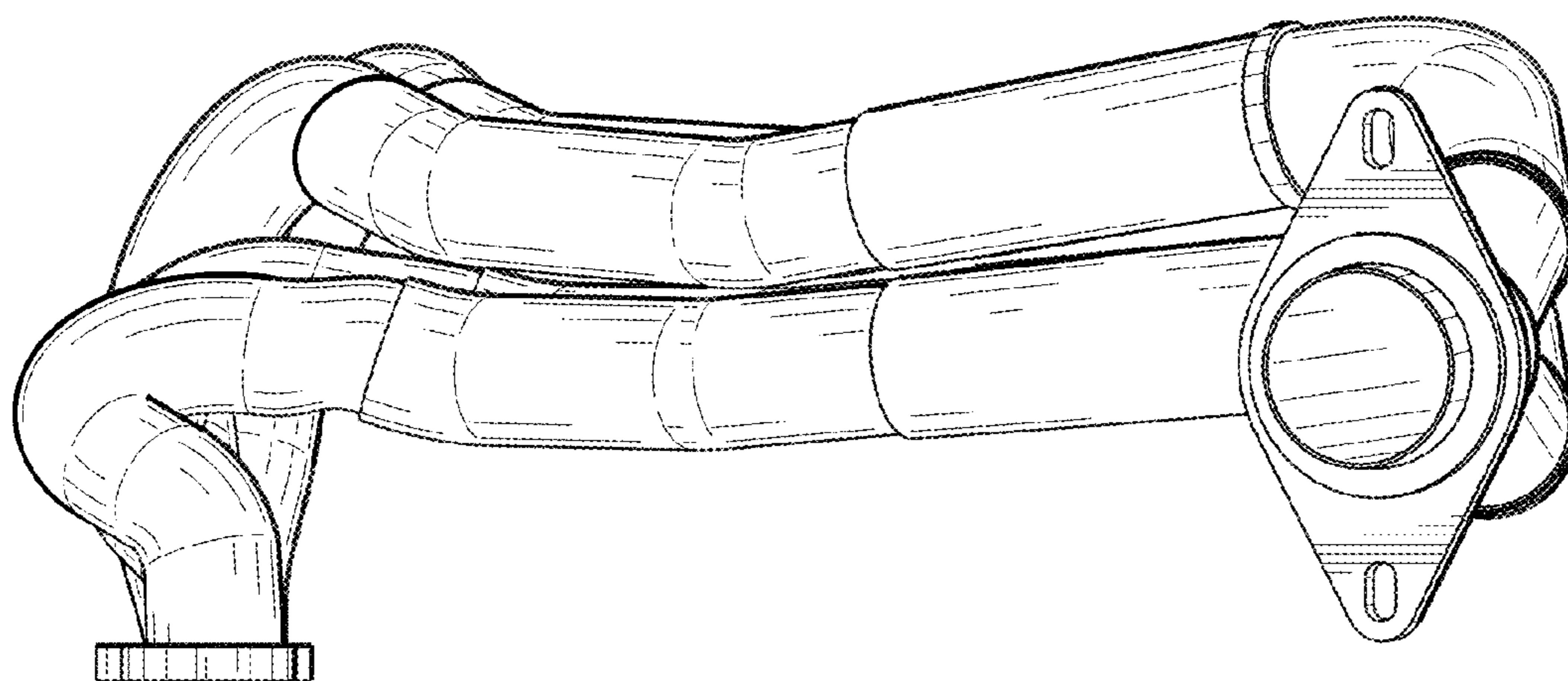


FIG. 5

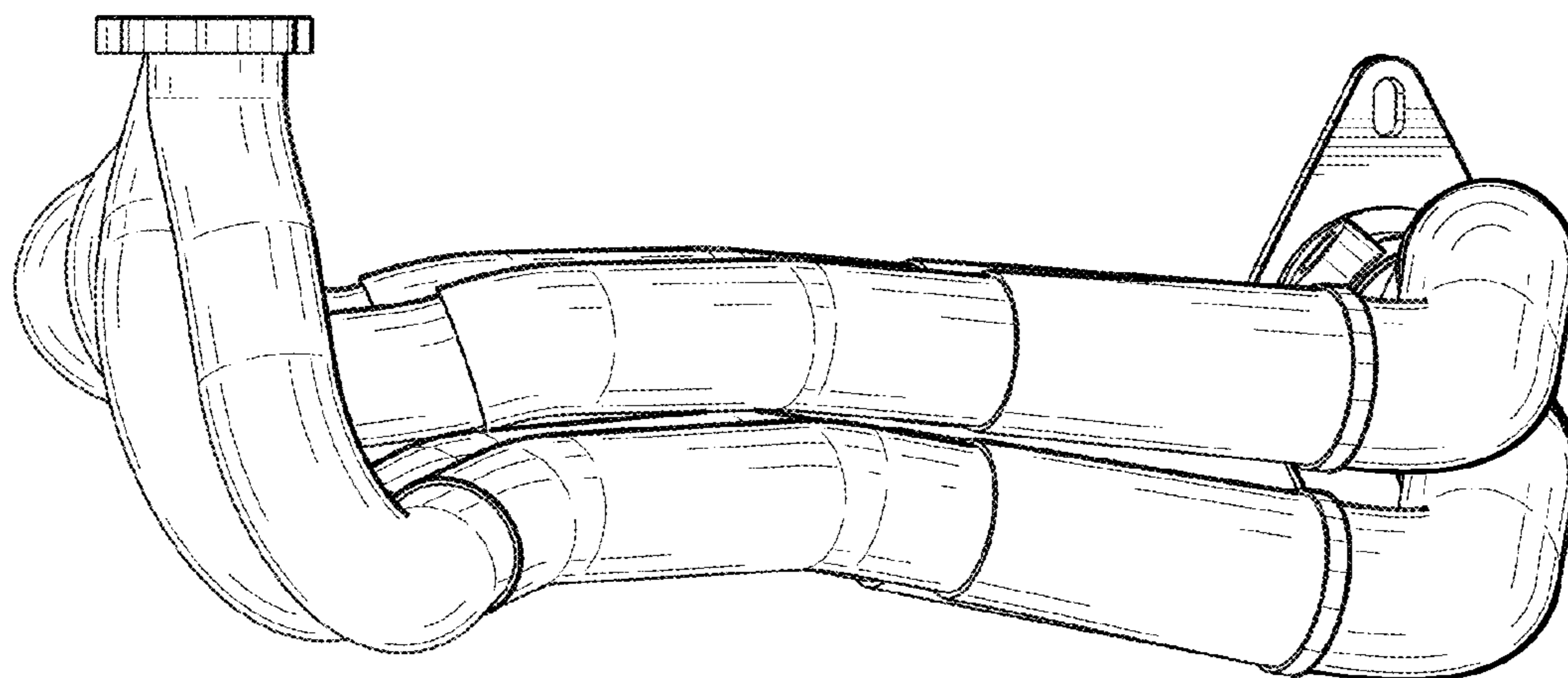


FIG. 3

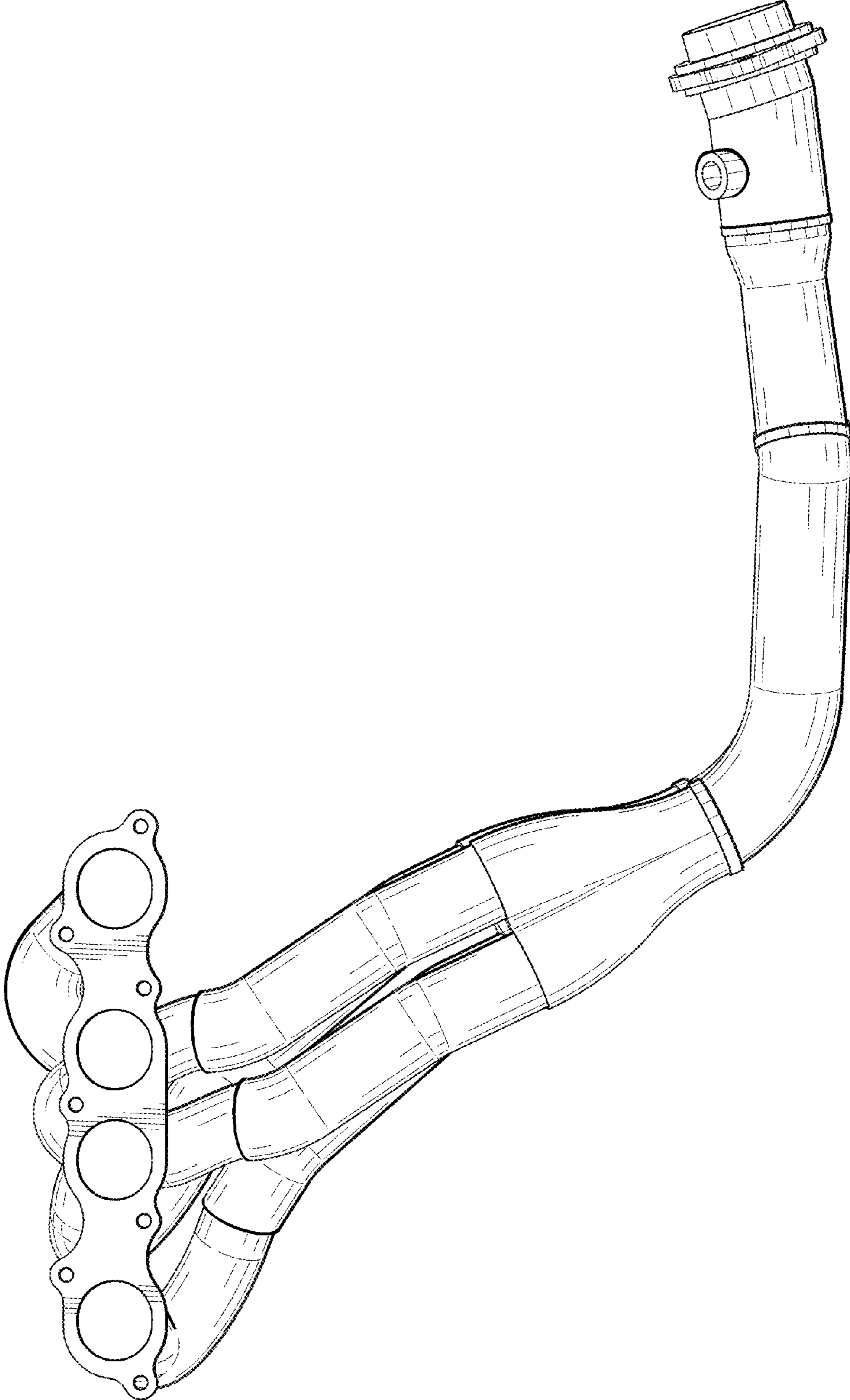


FIG. 4

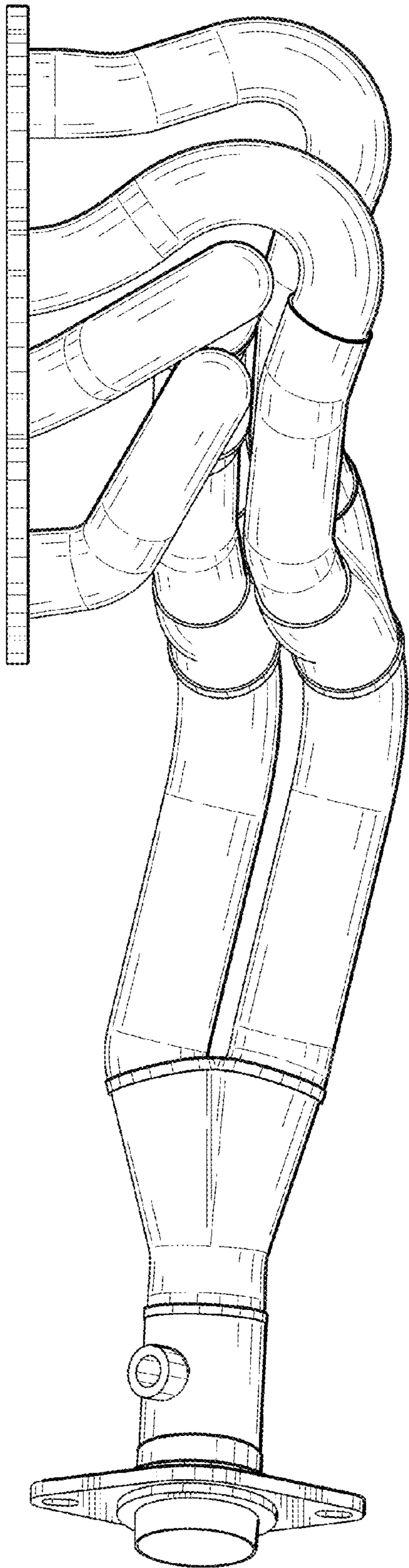


FIG. 6

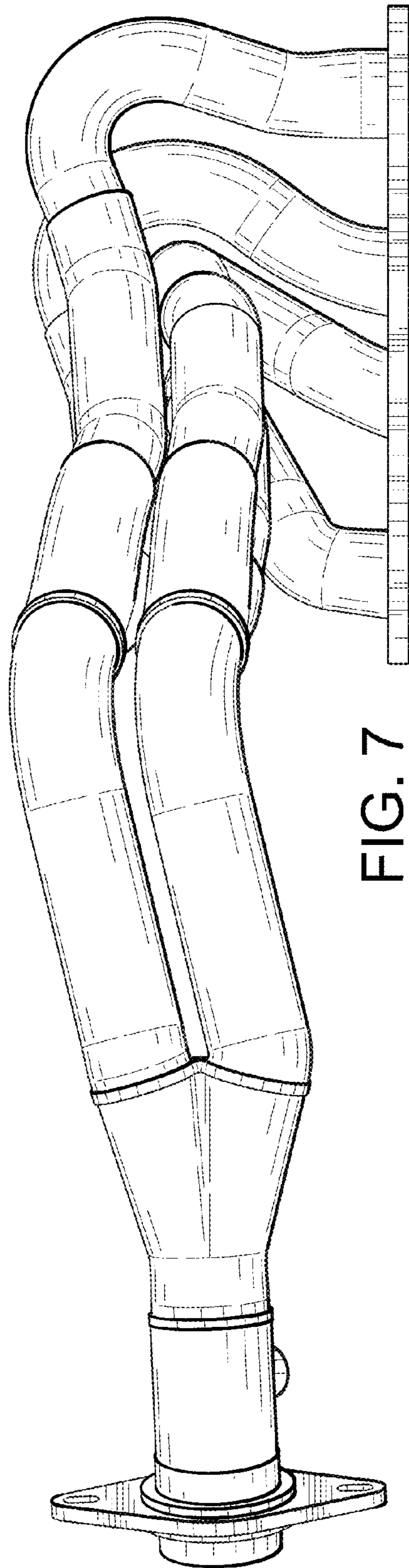


FIG. 7