

US00D957465S

(12)

United States Design Patent

Tafe

(10)

Patent No.:

US D957,465 S

(45)

Date of Patent:

** Jul. 12, 2022

(54) INTERCOOLER FOR AUTOMOTIVE APPLICATIONS

(71) Applicant: Resource Intl Inc., New Castle, DE (US)

(72) Inventor: Dan Tafe, Newark, DE (US)

(73) Assignee: Resource Intl Inc., New Castle, DE (US)

(**) Term: 15 Years

(21) Appl. No.: 29/755,062

(22) Filed: Oct. 16, 2020

(51) LOC (13) Cl. 15-01

(52) U.S. Cl. D15/5
USPC

(58) Field of Classification Search
USPC D15/1, 2, 3, 4, 5, 6
CPC F02B 29/0425; F02B 29/0412; F02B 29/0437; F02B 29/0443; F02B 29/045; F02B 29/0406; F02B 29/0431; F28D 7/0066; F28D 1/0408; F28D 7/1653; F28F 1/04; F28F 1/12; F28F 9/02; F28F 21/02; B60H 1/14; B60H 1/3211; B60H 1/00271; B60H 1/3205; B60H 1/00342; F01P 11/08; B21D 53/08; F02M 26/27; F02M 26/31; F02M 35/10268
See application file for complete search history.

(56) References Cited

U.S. PATENT DOCUMENTS

D920,382 S * 5/2021 Tafe D15/5

2005/0189096 A1 * 9/2005 Wilson H01L 23/473 257/E23.098

2008/0271722 A1 * 11/2008 Grunenwald F28F 21/083 123/568.12

2009/0314483 A1 * 12/2009 Kalbacher F02B 29/0456 165/185

2012/0024511 A1 * 2/2012 Harada F28D 1/05366 165/181

2012/0138025 A1 * 6/2012 Yoon F02B 29/0456 123/563

2016/0176284 A1 * 6/2016 Nugteren F02B 37/16 180/68.3

2017/0122186 A1 * 5/2017 Park F02B 29/0412

2017/0254257 A1 * 9/2017 Park B60H 1/3211

2018/0178677 A1 * 6/2018 Swain F02M 35/048

2019/0078501 A1 * 3/2019 Lee F02M 26/27

2019/0292979 A1 * 9/2019 Hlavac F28D 7/0066

2020/0040810 A1 * 2/2020 Uehane F02B 37/16

2020/0182205 A1 * 6/2020 Moyer F02M 35/024

(Continued)

FOREIGN PATENT DOCUMENTS

DE 102009036745 A1 * 2/2011 F02B 29/0431

DE 102011080204 A1 * 2/2013 F02B 29/04

(Continued)

Primary Examiner — Ania Aman

(74) Attorney, Agent, or Firm — Condo Roccia Koptiw LLP

(57) CLAIM

The ornamental design for an intercooler for automotive applications, as shown and described.

DESCRIPTION

FIG. 1 is a top front perspective view of the intercooler showing my new design;

FIG. 2 is a front elevation view thereof;

FIG. 3 is a rear elevation view thereof;

FIG. 4 is a right elevation view thereof;

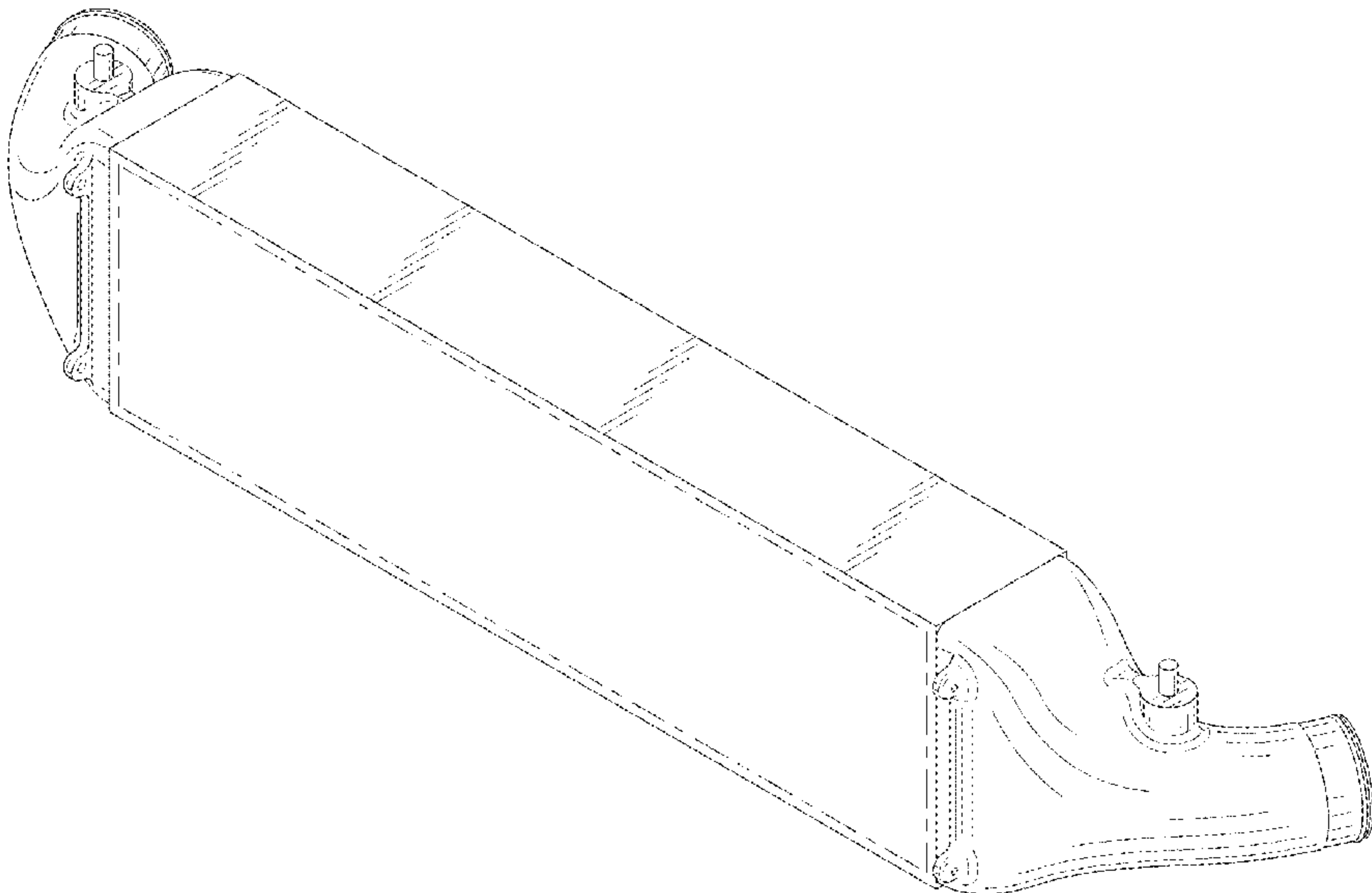
FIG. 5 is a left elevation view thereof;

FIG. 6 is a top plan view thereof; and,

FIG. 7 is a bottom plan view thereof.

The broken lines shown in the drawings illustrate portions of the intercooler for automotive applications that form no part of the claimed design.

1 Claim, 4 Drawing Sheets



(56) **References Cited**

U.S. PATENT DOCUMENTS

2020/0347774 A1 * 11/2020 Barrios F02B 29/0418
2020/0370466 A1 * 11/2020 Yang F28D 7/1684
2021/0331579 A1 * 10/2021 Usuki B60L 50/50

FOREIGN PATENT DOCUMENTS

EP 1512853 A2 * 3/2005 F02B 29/0418
GB 6082519 * 2/2020
JP 2009180482 A * 8/2009

* cited by examiner

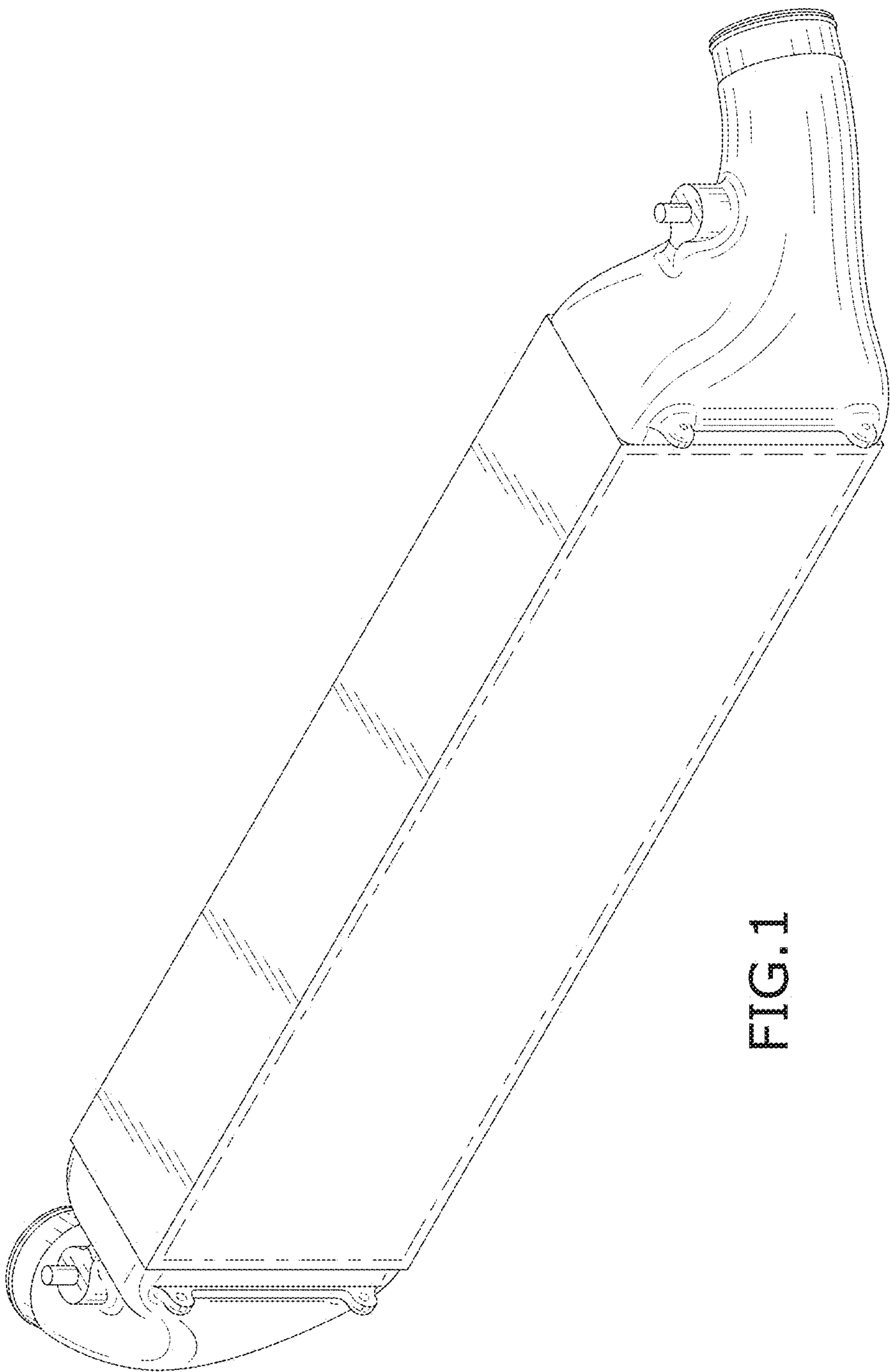


FIG.1

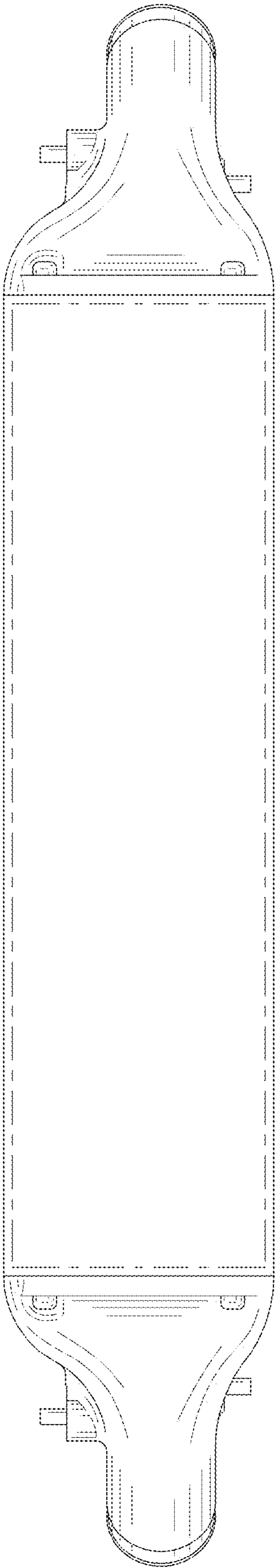


FIG.2

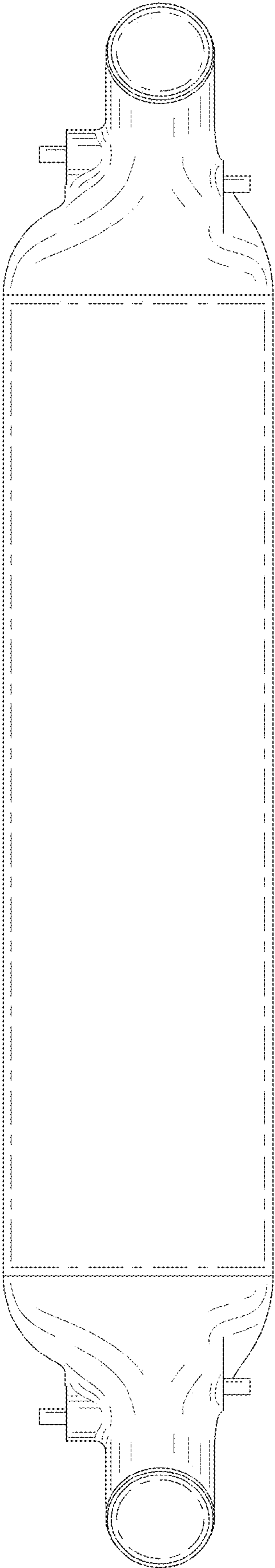


FIG.3

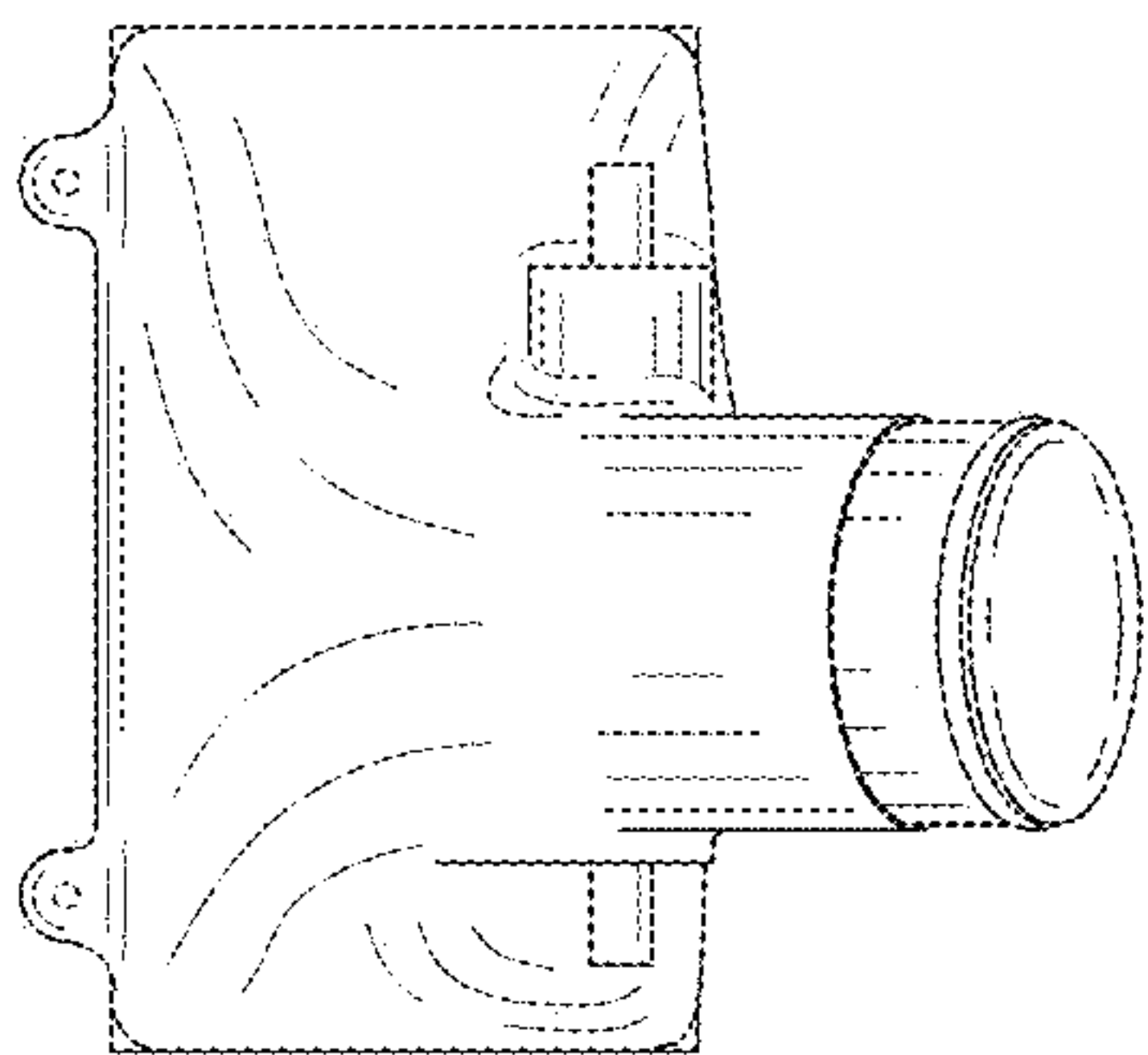


FIG. 4

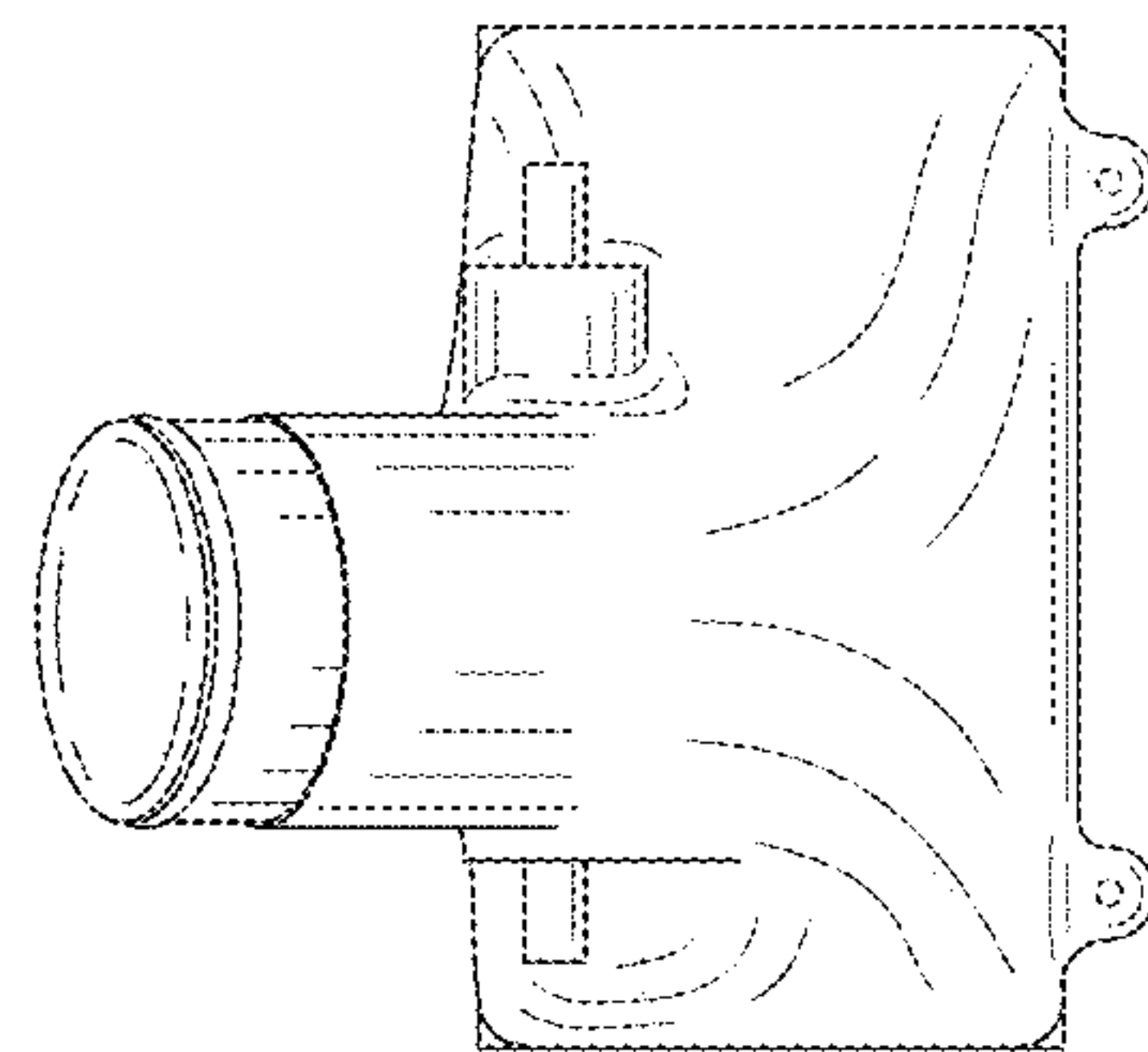


FIG. 5

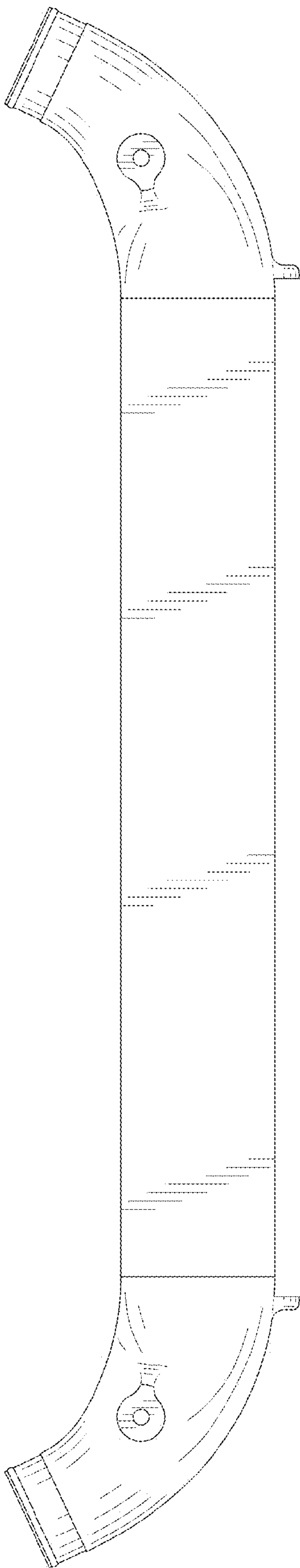


FIG. 6

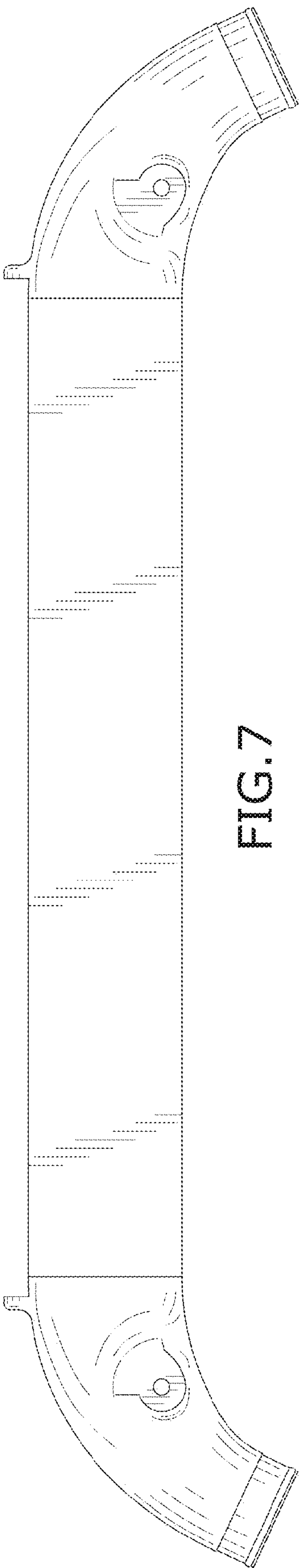


FIG. 7