



US00D877201S

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

(10) **Patent No.:** **US D877,201 S**

(45) **Date of Patent:** **** Mar. 3, 2020**

(54) **EFI THROTTLE BODY**

FOREIGN PATENT DOCUMENTS

(71) Applicant: **Holley Performance Products, Inc.**,
Bowling Green, KY (US)

AU 339157 10/2011
AU 341133 2/2012

(Continued)

(72) Inventors: **Laura Shehan**, Bowling Green, KY
(US); **Amy Gieske**, Loogootee, IN
(US); **Jonathan Sams**, Woodburn, KY
(US); **Adam Layman**, Alvaton, KY
(US); **Thomas W. Tomlinson**, Bowling
Green, KY (US)

OTHER PUBLICATIONS

Australian Divisional Design Patent Application No. 201815036
entitled "EFI Throttle Body" filed Aug. 23, 2018.

(Continued)

(73) Assignee: **Holley Performance Products, Inc.**,
Bowling Green, KY (US)

Primary Examiner — Michael C Stout
Assistant Examiner — Fitzgerald L Butac

(74) *Attorney, Agent, or Firm* — Middleton Reutlinger

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

(57) **CLAIM**

The ornamental design for an EFI throttle body, as shown
and described.

(21) Appl. No.: **29/628,394**

DESCRIPTION

(22) Filed: **Dec. 4, 2017**

(51) **LOC (12) Cl.** **15-01**

(52) **U.S. Cl.**

USPC **D15/5**

(58) **Field of Classification Search**

USPC D8/349, 352, 354, 356, 357, 366, 380,
D8/382, 383, 394, 396, 499; D12/87,
D12/223; D15/1-7; D23/322, 323

CPC F02D 9/101; F02D 9/1015; F02D 9/1065;
F02D 9/109; F02M 37/17; F02M 13/00;
F02M 17/00; F02M 37/00; F02M 63/02;

(Continued)

FIG. 1 is an upper perspective view of a first embodiment of
an EFI throttle body;
FIG. 2 is a top view of the design of FIG. 1;
FIG. 3 is a bottom view of the design of FIG. 1;
FIG. 4 is a first side view of the design of FIG. 1;
FIG. 5 is a second side view of the design of FIG. 1;
FIG. 6 is a front view of the design of FIG. 1;
FIG. 7 is a rear view of the design of FIG. 1;
FIG. 8 is a lower perspective view of the design of FIG. 1;
FIG. 9 is an upper perspective view of a second embodiment
of an EFI throttle body;
FIG. 10 is a top view of the design of FIG. 9;
FIG. 11 is a bottom view of the design of FIG. 9;
FIG. 12 is a first side view of the design of FIG. 9;
FIG. 13 is a second side view of the design of FIG. 9;
FIG. 14 is a front view of the design of FIG. 9;
FIG. 15 is a rear view of the design of FIG. 9; and,
FIG. 16 is a lower perspective view of the design of FIG. 9.
The broken lines show portions of an EFI throttle body that
form no part of the claimed design.

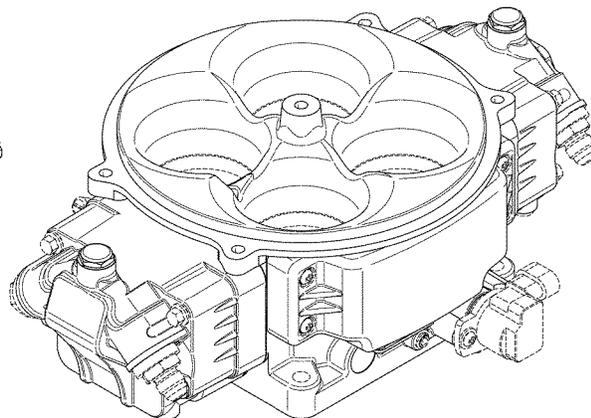
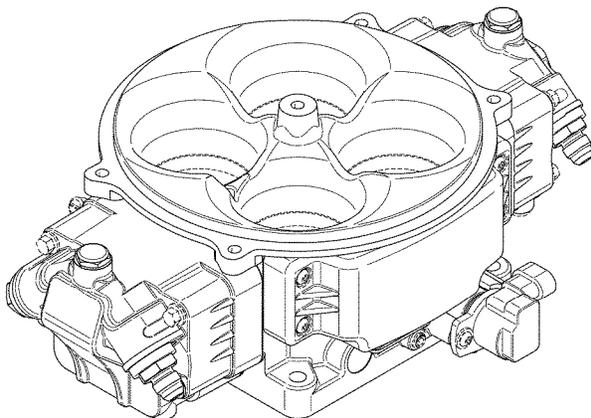
(56) **References Cited**

U.S. PATENT DOCUMENTS

4,224,908 A 9/1980 Bier et al.
4,230,645 A 10/1980 Dodson
4,246,875 A 1/1981 Bier et al.

(Continued)

1 Claim, 16 Drawing Sheets



(58) **Field of Classification Search**
 CPC .. F02M 63/056; F02M 61/145; F02M 69/043;
 F02M 69/462; F02M 69/52

AU 201816624 12/2018
 CN 101568711 4/2013
 EM 003729599 1/2017

See application file for complete search history.

OTHER PUBLICATIONS

(56) **References Cited**

U.S. PATENT DOCUMENTS

4,294,282 A 10/1981 McCabe et al.
 4,306,441 A 12/1981 Dodson
 4,318,214 A 3/1982 Dodson
 4,325,339 A 4/1982 Bier et al.
 4,357,283 A 11/1982 Manning
 4,434,762 A 3/1984 McCabe
 4,434,763 A 3/1984 McCabe et al.
 4,949,983 A 8/1990 Miller
 5,809,972 A * 9/1998 Grant F02M 71/00
 123/472
 D447,147 S * 8/2001 Grant D15/6
 6,481,698 B1 11/2002 Calvin et al.
 D508,496 S * 8/2005 Grant D15/6
 D578,550 S * 10/2008 Benoit D15/6
 7,533,661 B2 5/2009 Baasch
 7,591,245 B2 9/2009 Baasch et al.
 D619,621 S * 7/2010 Braswell D15/6
 D619,622 S * 7/2010 Braswell D15/6
 D619,623 S * 7/2010 Braswell D15/6
 D648,746 S 11/2011 Tipton et al.
 D649,978 S * 12/2011 Aketa D15/5
 D655,311 S * 3/2012 Gieske D15/6
 D659,714 S 5/2012 Gieske et al.
 D721,389 S * 1/2015 Gieske D15/6
 D737,352 S * 8/2015 May D15/145
 D748,149 S * 1/2016 Laws D15/6
 D748,966 S * 2/2016 Morinaga D8/323
 9,303,578 B2 4/2016 Wittkopf et al.
 9,376,997 B1 6/2016 Farrell et al.
 D760,804 S * 7/2016 Shehan D15/6
 9,482,198 B1 11/2016 Farrell et al.
 9,845,740 B2 12/2017 Wittkopf et al.
 D808,435 S * 1/2018 Shehan D15/5
 D810,142 S * 2/2018 Shehan D15/5
 D823,286 S * 7/2018 Kanter D14/238
 10,012,197 B2 7/2018 Flynn et al.
 D826,280 S 8/2018 Koo et al.
 D829,082 S * 9/2018 O'Brien D8/366
 2009/0145406 A1 * 6/2009 Farrell F02M 35/10032
 123/470
 2013/0298871 A1 11/2013 Bennett et al.
 2017/0198672 A1 7/2017 Farrell et al.
 2018/0119656 A1 5/2018 Shehan et al.

Holley Performance Products, Inc., 2017 New & Hot Products Catalogue—Carburetors, Nov. 1, 2016.
 U.S. Appl. No. 62/594,526 entitled “Electronic Fuel Injection Throttle Body Assembly” filed Dec. 4, 2017.
 U.S. Appl. No. 29/628,392 entitled “EFI Throttle Body” filed Dec. 4, 2017.
 U.S. Appl. No. 62/594,527 entitled “Electronic Fuel Injection Throttle Body Assembly” filed Dec. 4, 2017.
 Australian Patent Application No. 2017251869 entitled “Electronic Fuel Injection Throttle Body Assembly” filed Oct. 30, 2017.
 U.S. Appl. No. 62/669,052 entitled “Electronic Fuel Injection Throttle Body Assembly” filed May 9, 2018.
 U.S. Appl. No. 15/986,571 entitled “Fuel Injection Throttle Body” filed May 22, 2018.
 U.S. Appl. No. 29/647,060 entitled “Electronic Fuel Injection Throttle Body” filed May 9, 2018.
 U.S. Appl. No. 29/647,068 entitled “Electronic Fuel Injection Throttle Body” filed May 9, 2018.
 U.S. Appl. No. 62/669,094 entitled “Electronic Fuel Injection Throttle Body Assembly” filed May 9, 2018.
 U.S. Appl. No. 62/726,723 entitled “Electronic Fuel Injection Throttle Body Assembly” filed Sep. 4, 2018.
 Australian Patent Application No. 201815034 entitled “EFI Throttle Body” filed Aug. 23, 2018.
 U.S. Appl. No. 16/404,308 entitled “Electronic Fuel Injection Throttle Body Assembly” filed May 6, 2019.
 U.S. Appl. No. 16/405,519 entitled “Electronic Fuel Injection Throttle Body Assembly” filed May 7, 2019.
 Canadian Patent Application No. 184482 entitled “Electronic Fuel Injection Throttle Body” filed Oct. 31, 2018.
 Canadian Patent Application No. 184483 entitled “Electronic Fuel Injection Throttle Body” filed Oct. 31, 2018.
 U.S. Appl. No. 29/688,819 entitled “Electronic Fuel Injection Throttle Body” filed Apr. 24, 2019.
 U.S. Appl. No. 29/693,670 entitled “EFI Throttle Body” filed Jun. 4, 2019.
 U.S. Appl. No. 29/695,154 entitled “EFI Throttle Body” filed Jun. 17, 2019.
 U.S. Appl. No. 29/696,092 entitled “Electronic Fuel Injection Throttle Body” filed Jun. 25, 2019.
 Mexican Design Patent Application No. MX/f/2018/003332 entitled “Electronic Fuel Injection Throttle Body” filed Nov. 8, 2018.
 Mexican Design Patent Application No. MX/f/2018/003333 entitled “Electronic Fuel Injection Throttle Body” filed Nov. 8, 2018.
 U.S. Appl. No. 16/208,231 entitled “Electronic Fuel Injection Throttle Body Assembly” filed Dec. 3, 2018.
 U.S. Appl. No. 16/208,246 entitled “Electronic Fuel Injection Throttle Body Assembly” filed Dec. 3, 2018.
 Korean Intellectual Property Office, International Search Report and Written Opinion for PCT Application No. PCT/US2018/063660 dated Mar. 20, 2019.
 Korean Intellectual Property Office, International Search Report and Written Opinion for PCT Application No. PCT/US2018/063668 dated Mar. 20, 2019.

FOREIGN PATENT DOCUMENTS

AU 348732 5/2013
 AU 348733 5/2013
 AU 348734 5/2013
 AU 356762 8/2014
 AU 201710470 2/2017
 AU 201710471 2/2017
 AU 201813353 8/2018
 AU 201813355 8/2018
 AU 201816623 12/2018

* cited by examiner

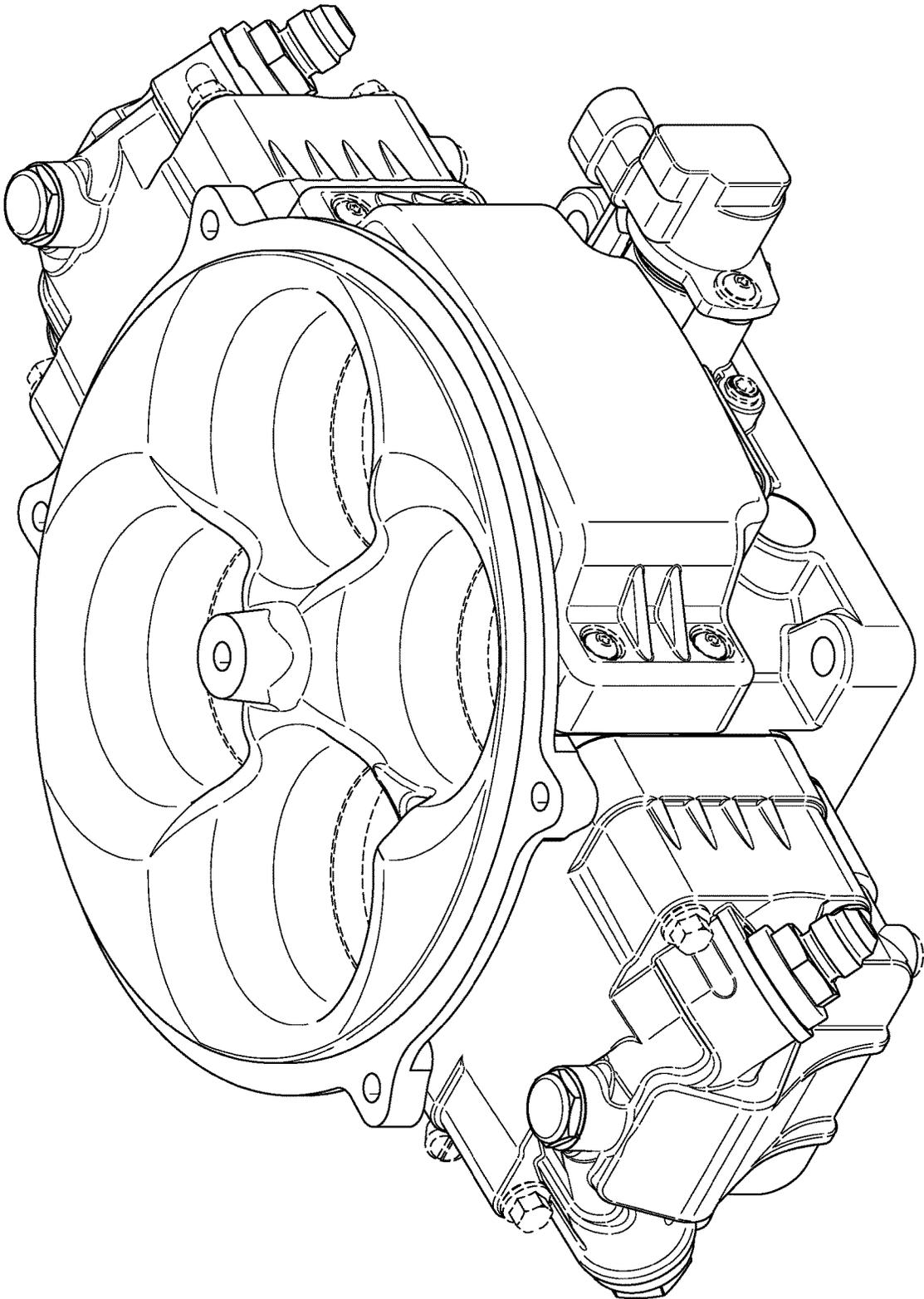


FIG. 1

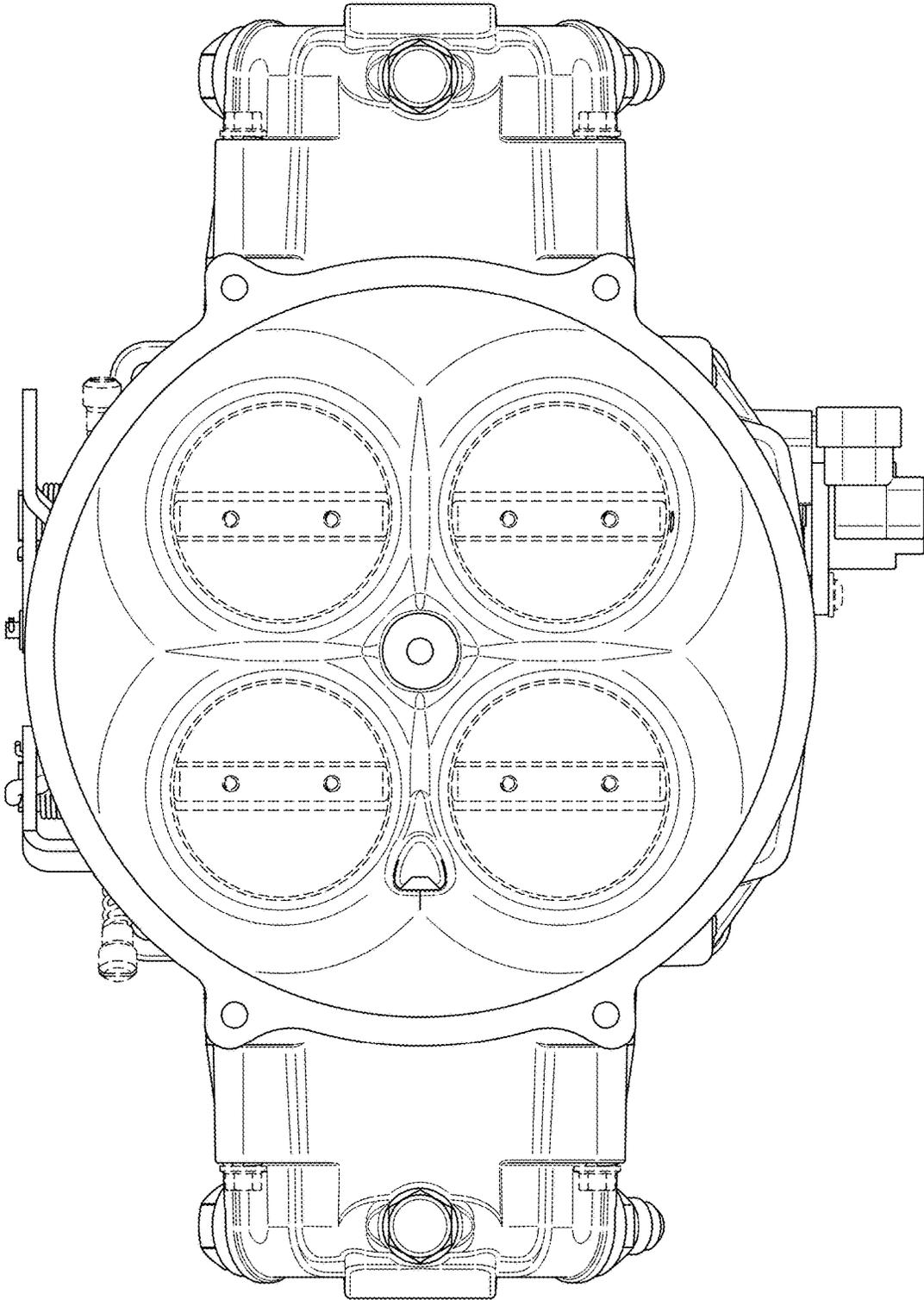


FIG. 2

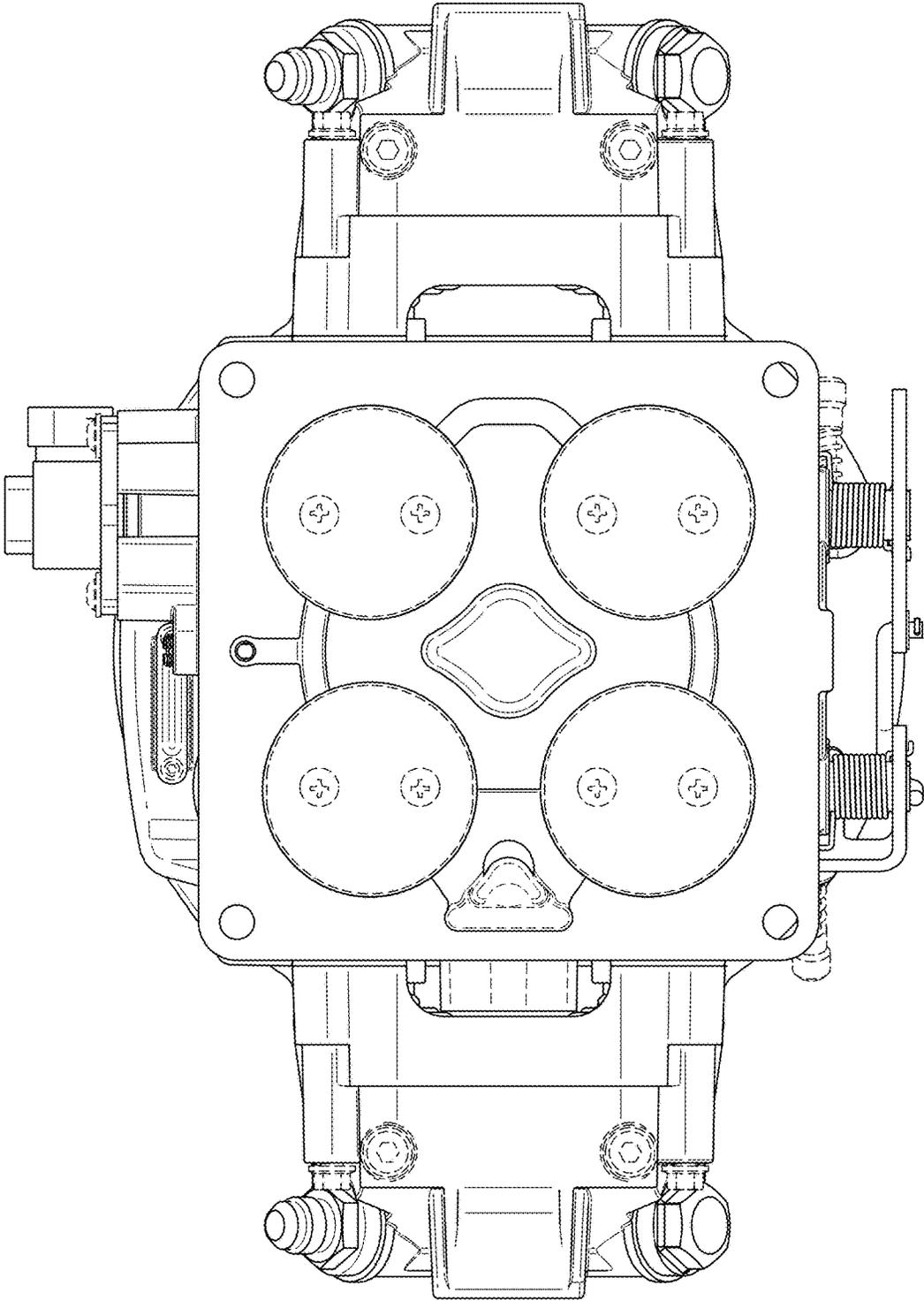


FIG. 3

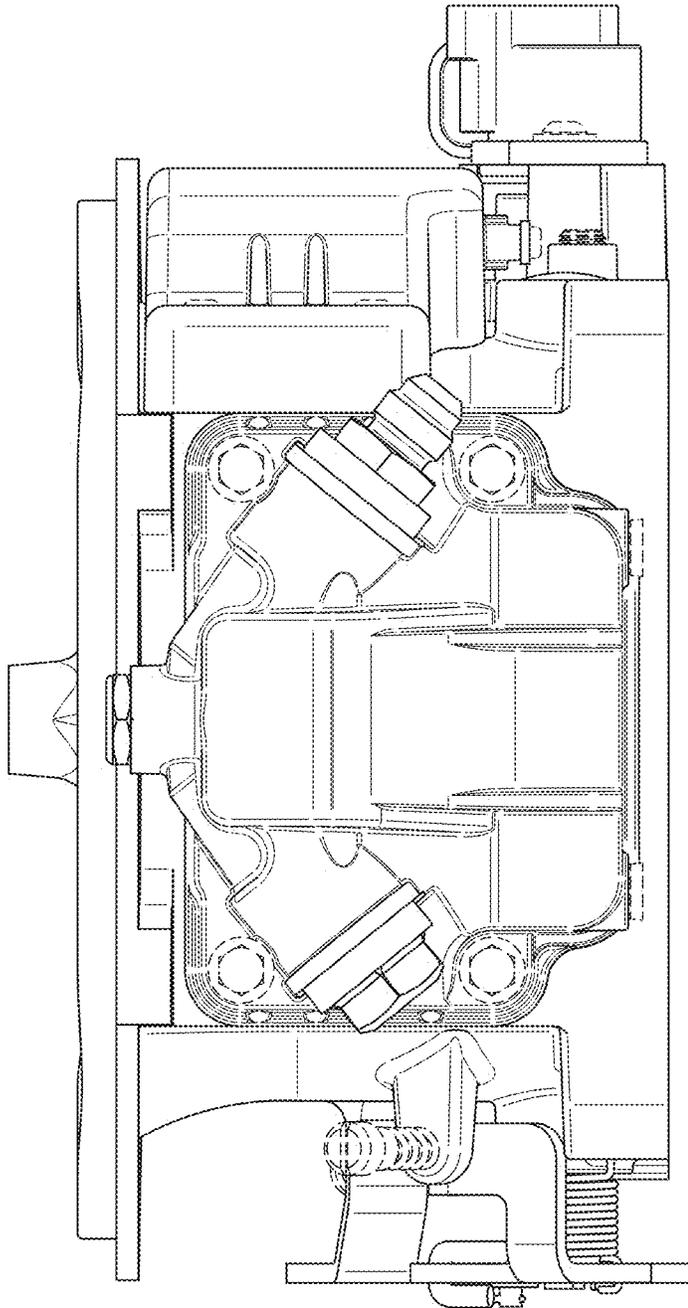


FIG. 4

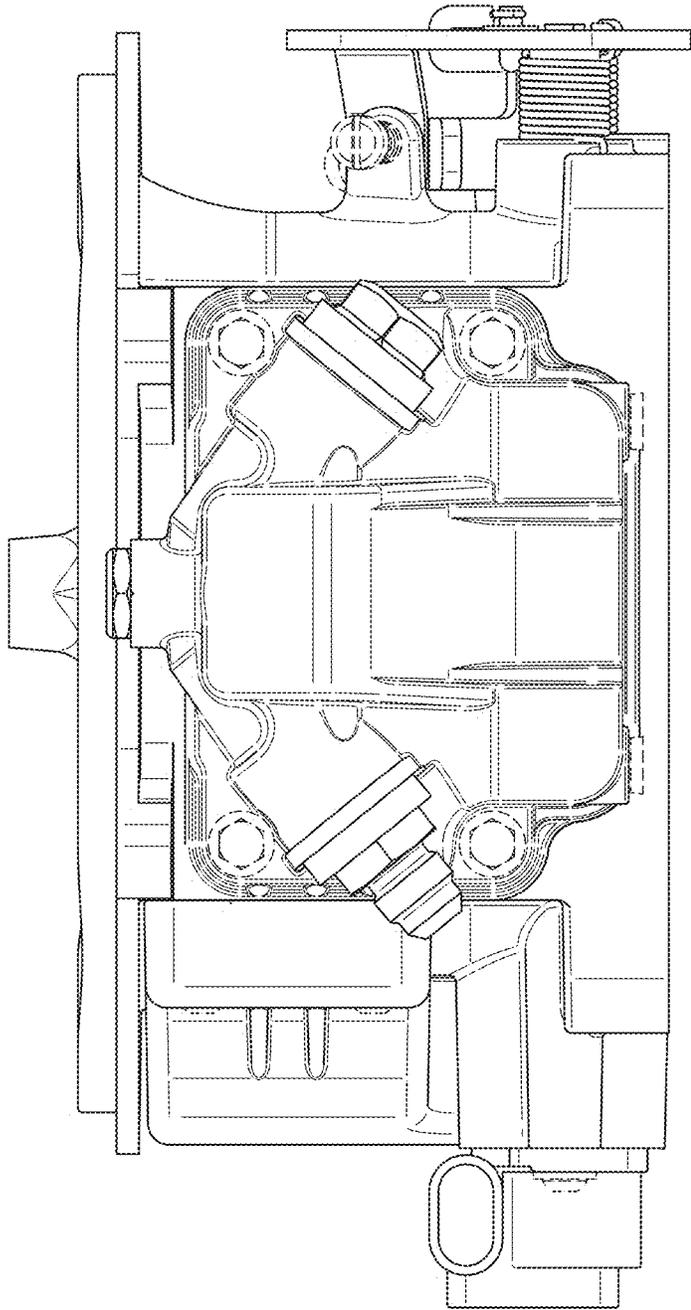


FIG. 5

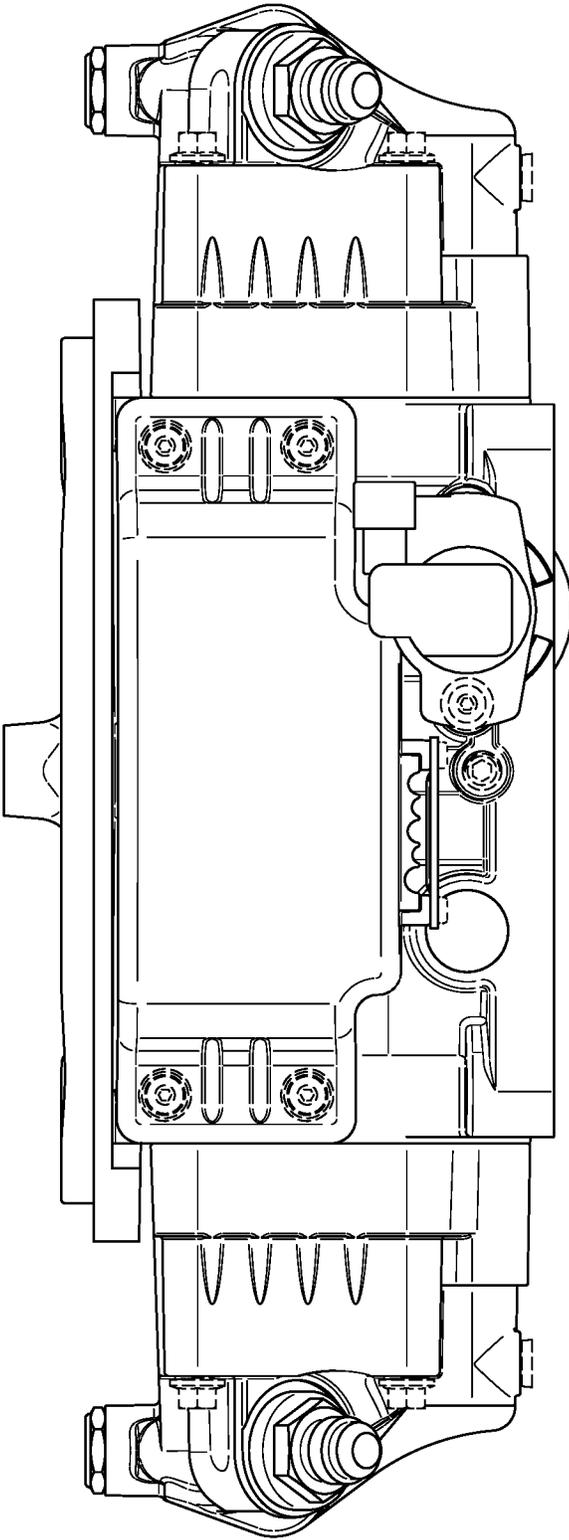


FIG. 6

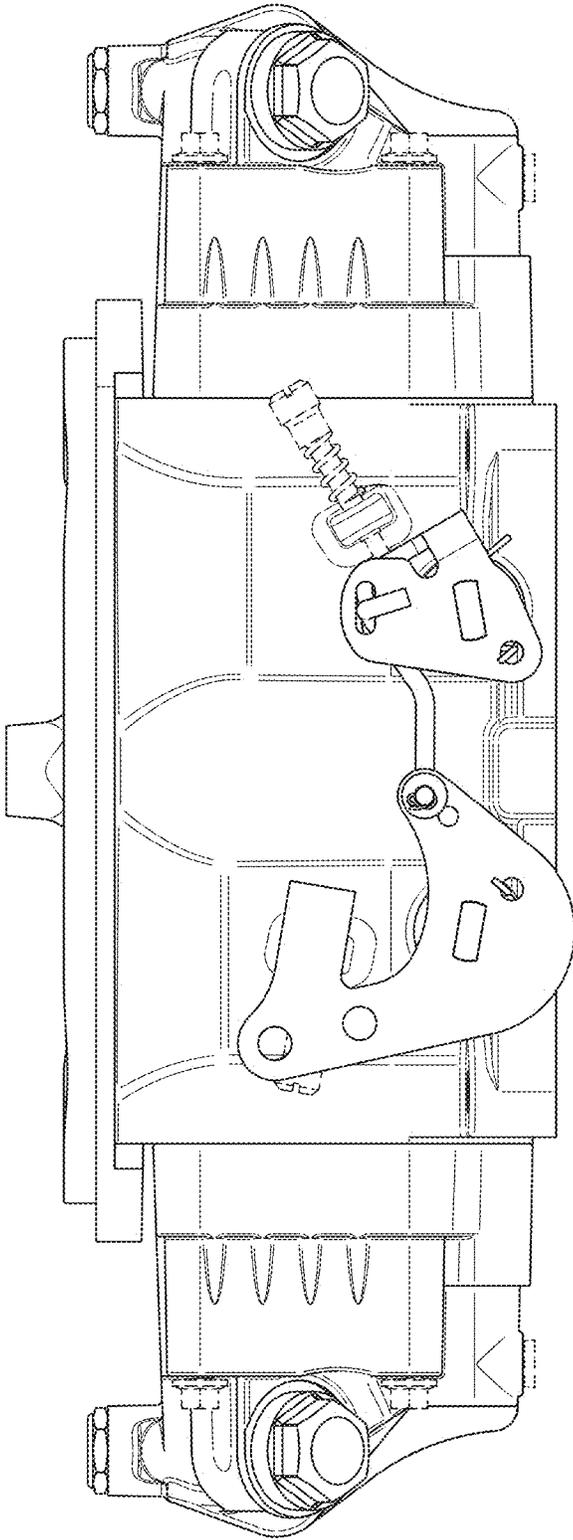


FIG. 7

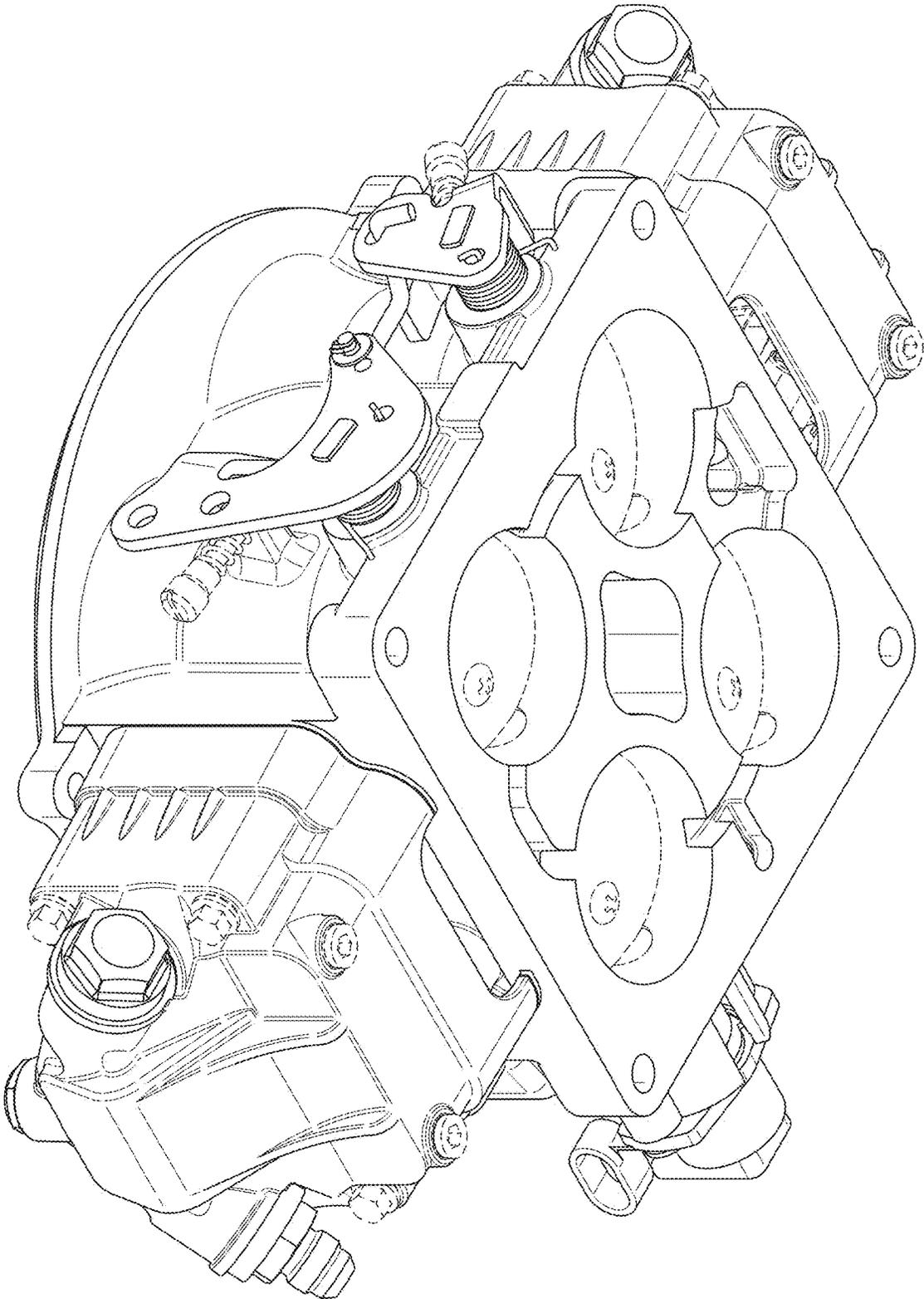


FIG. 8

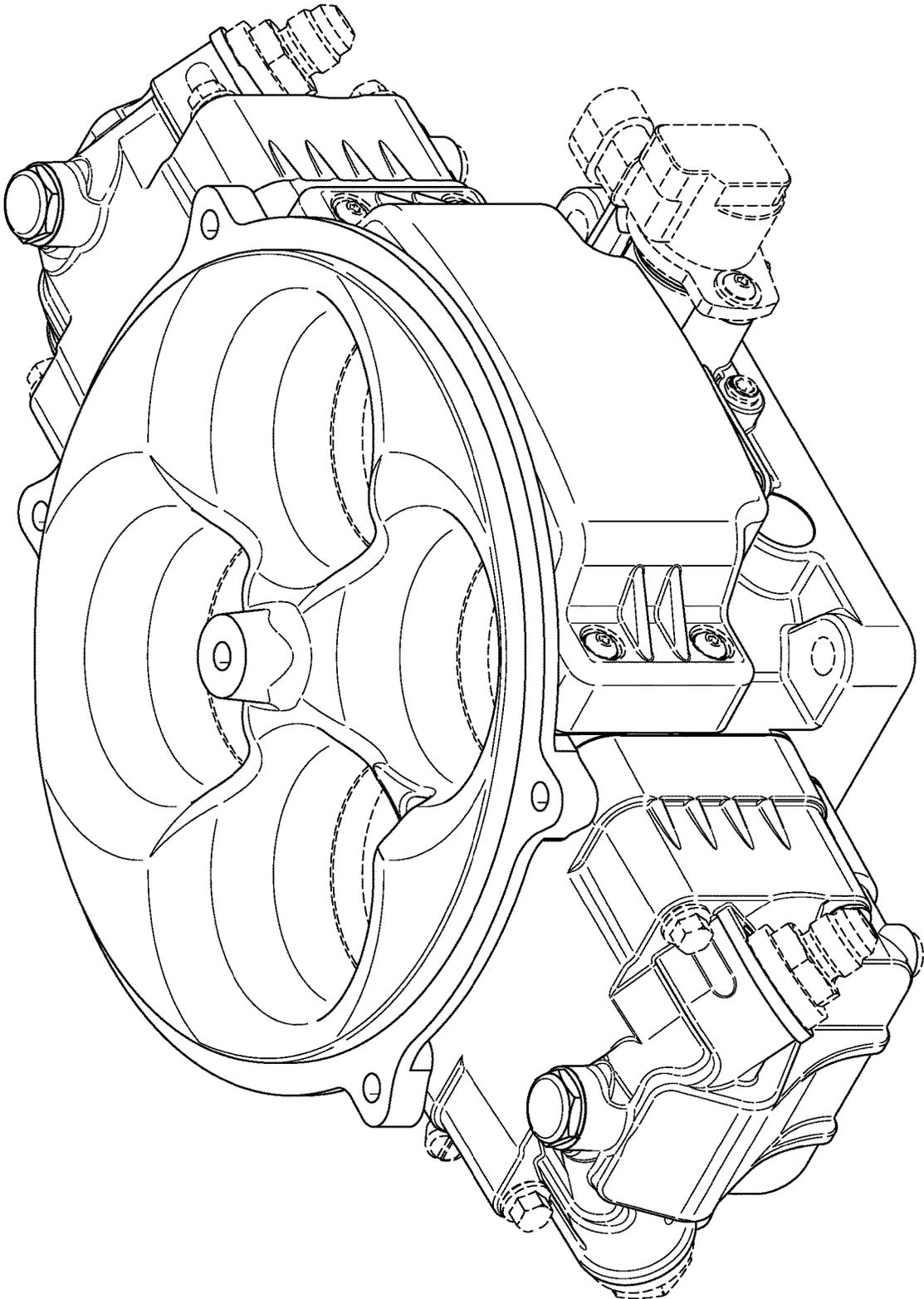


FIG. 9

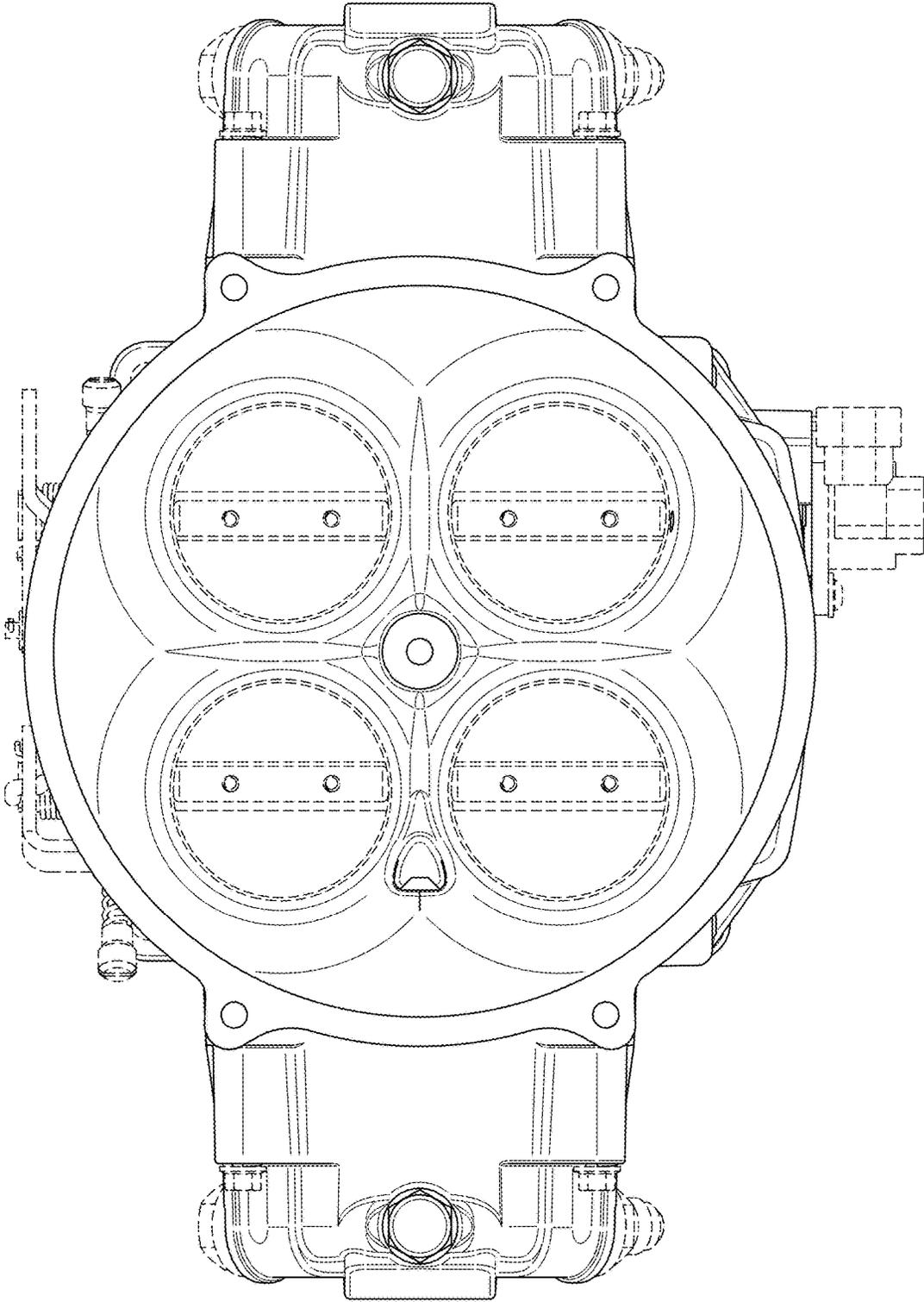


FIG. 10

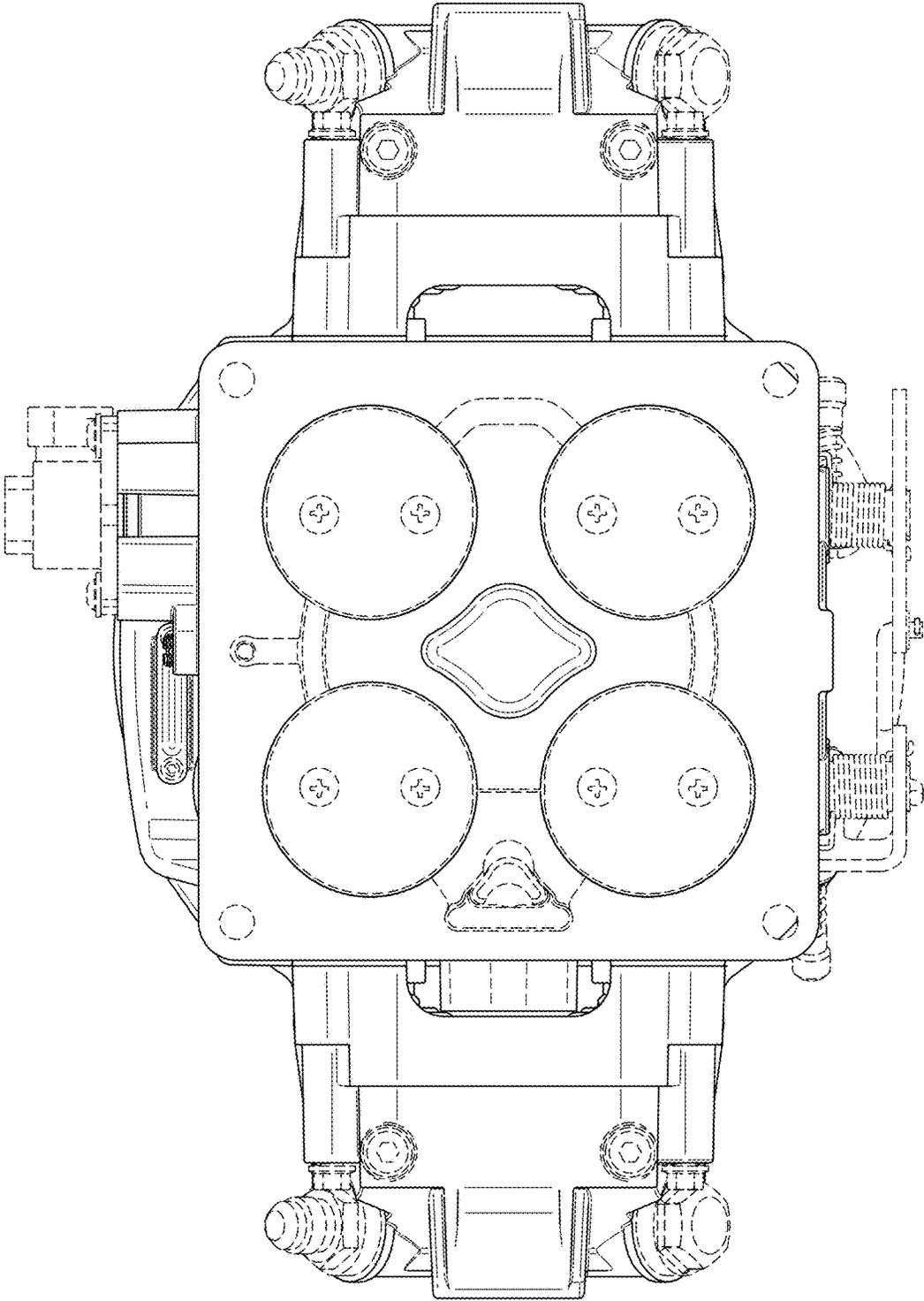


FIG. 11

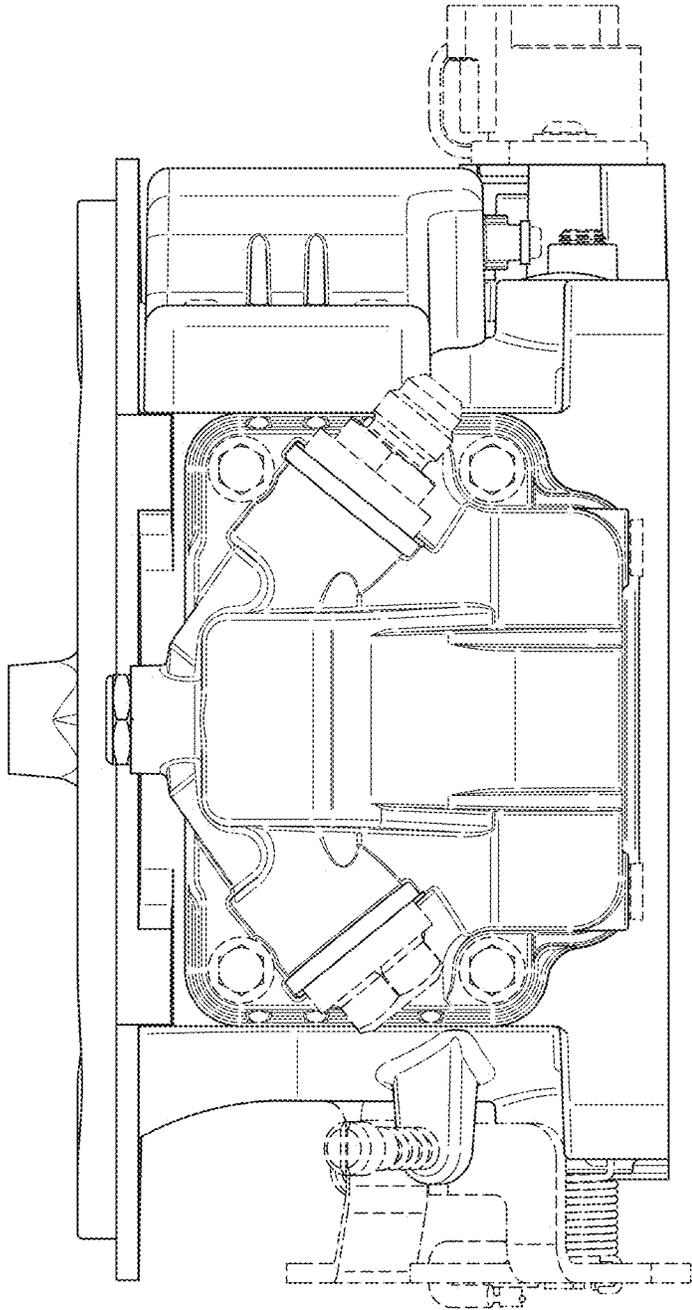


FIG. 12

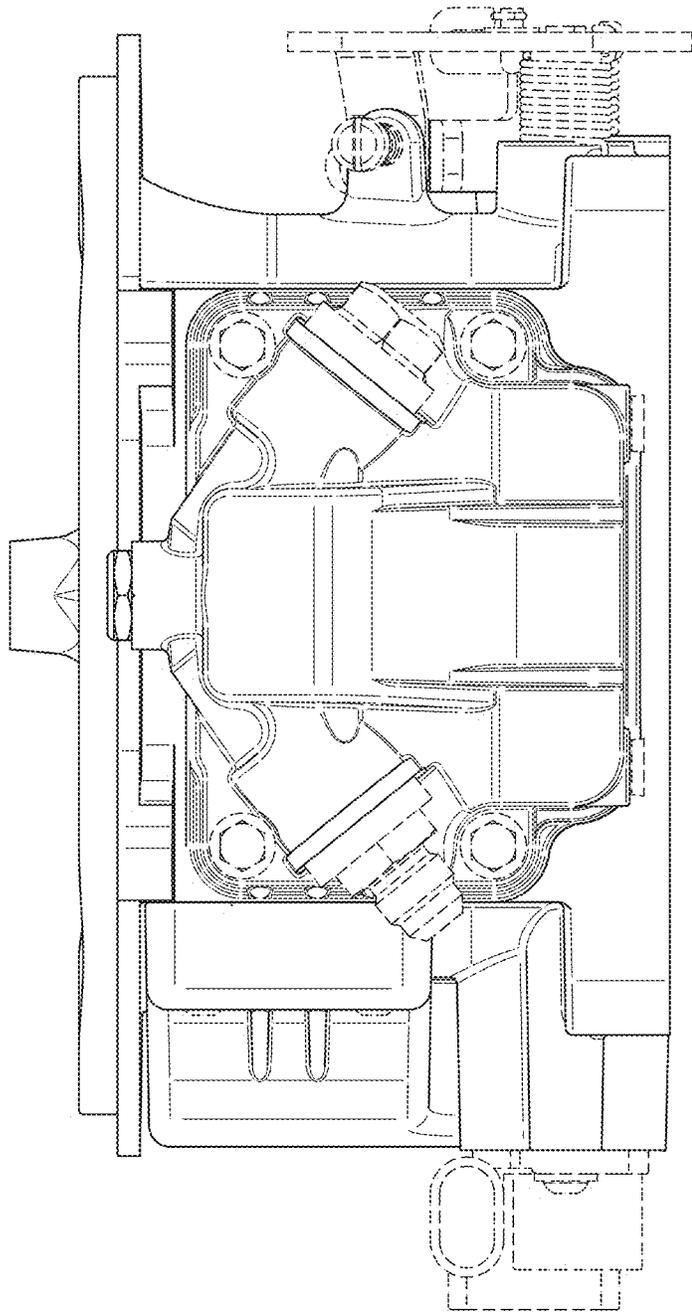


FIG. 13

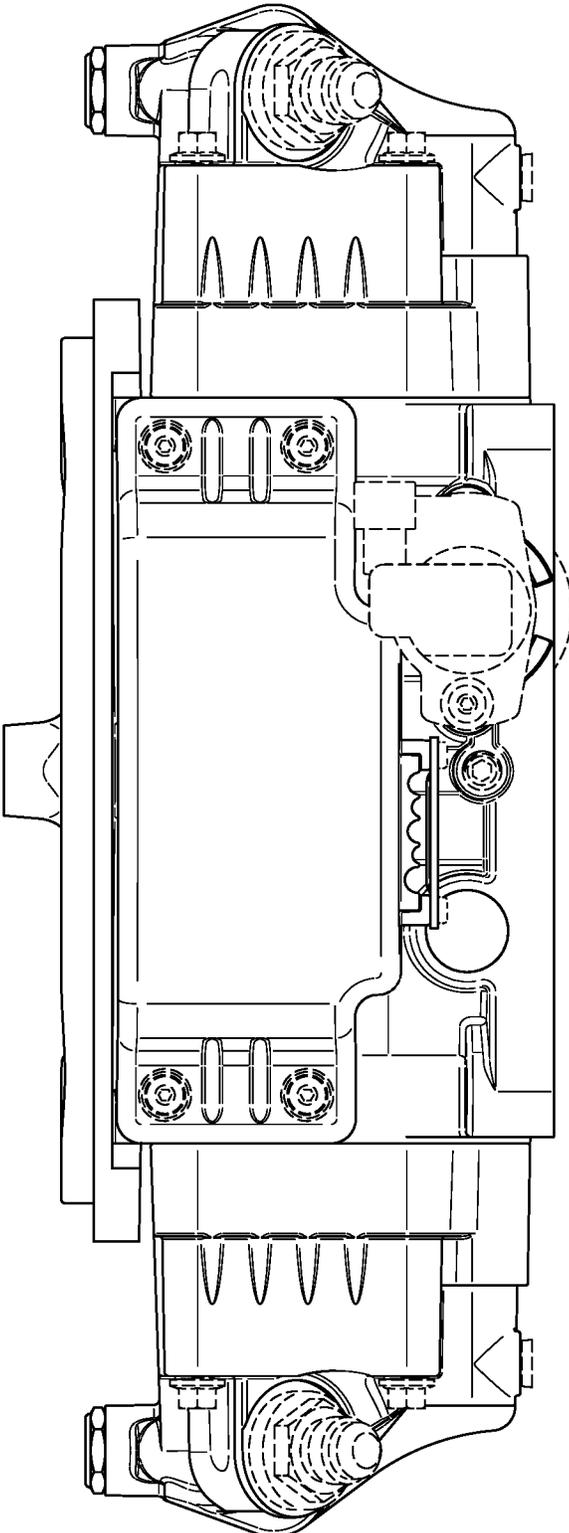


FIG. 14

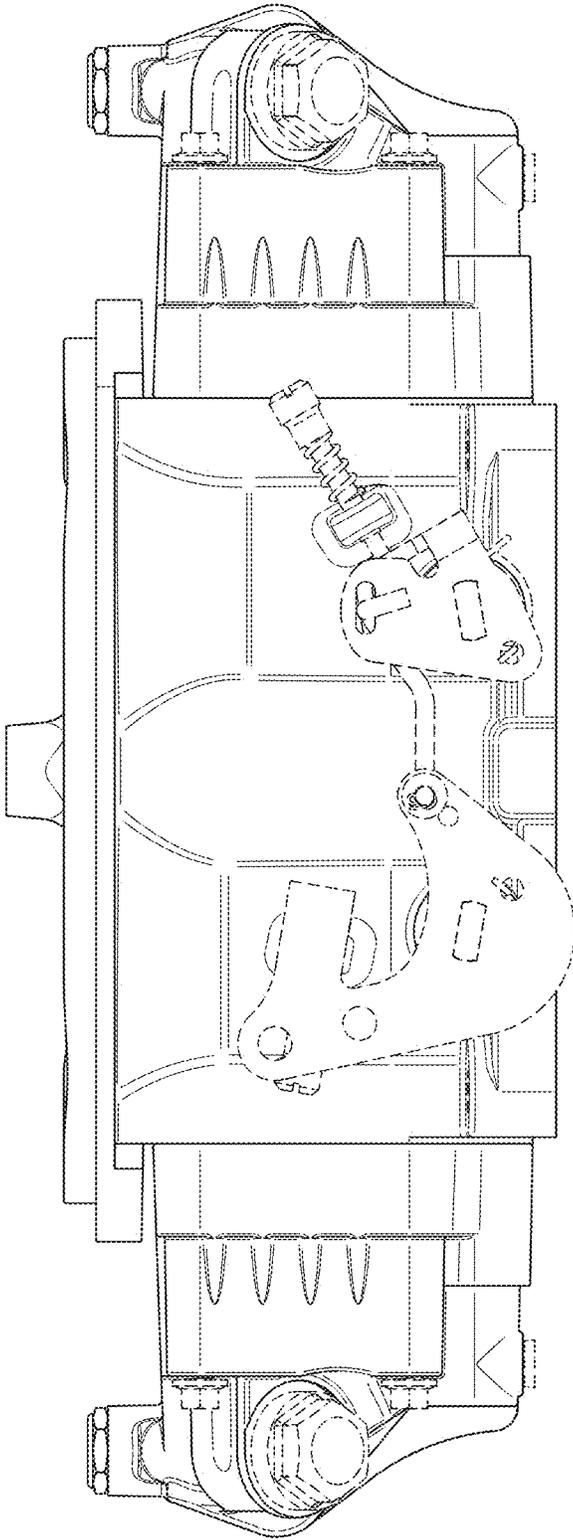


FIG. 15

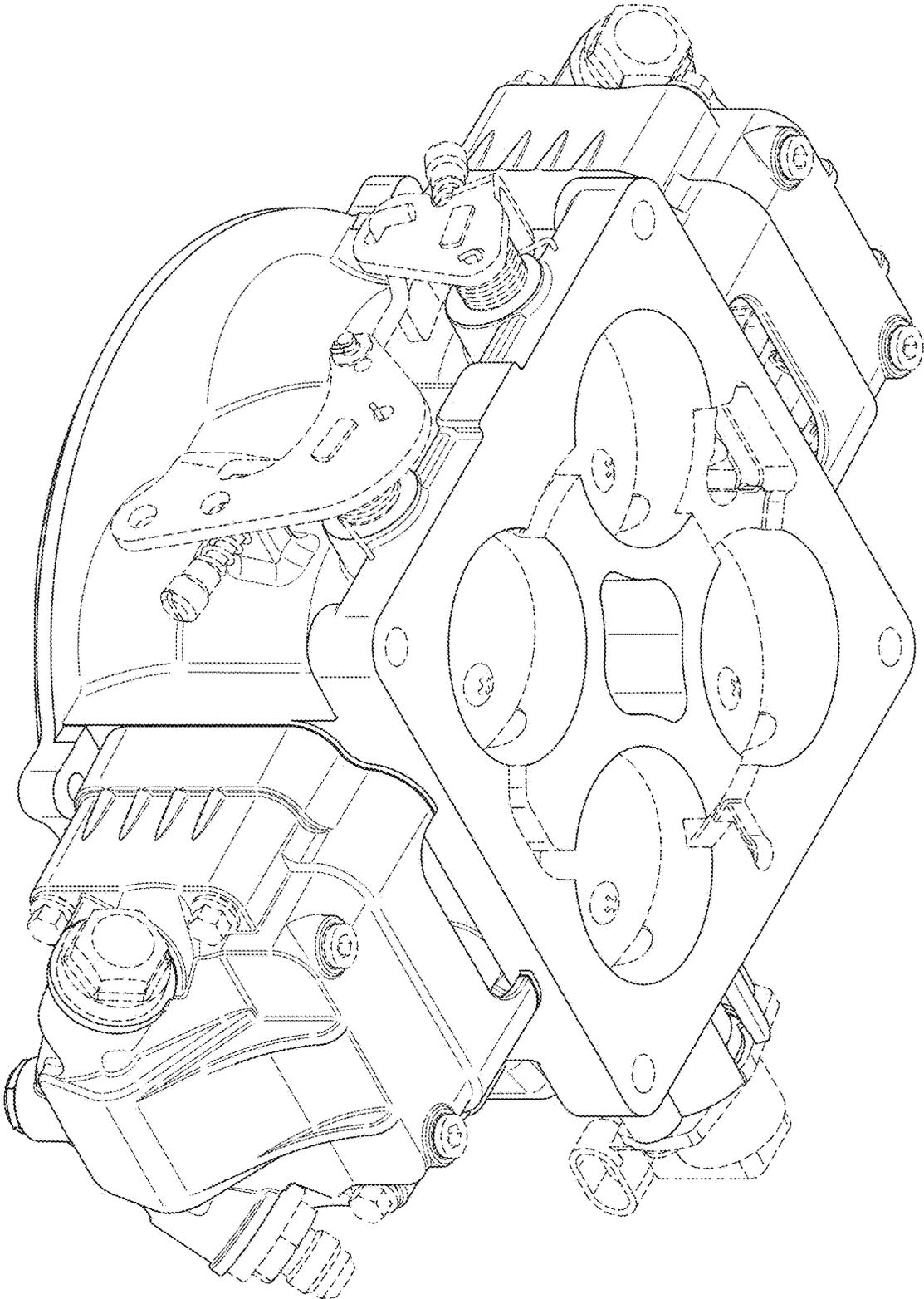


FIG. 16