



US00D888779S

(12) **United States Design Patent** (10) **Patent No.:** **US D888,779 S**
Quan et al. (45) **Date of Patent:** **** Jun. 30, 2020**

(54) **BLOWER NOZZLE**

(71) Applicant: **Canadian Tire Corporation, Limited,**
Toronto (CA)

(72) Inventors: **David Quan**, Toronto (CA); **Bruce Cooper**, Toronto (CA); **Xiaoxian Bian**,
Suzhou (CN); **Zhao Kong**, Suzhou
(CN)

(73) Assignee: **CANADIAN TIRE CORPORATION,**
LIMITED (CA)

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

(21) Appl. No.: **29/690,845**

(22) Filed: **May 10, 2019**

Related U.S. Application Data

(62) Division of application No. 29/594,439, filed on Feb.
17, 2017, now Pat. No. Des. 878,427.

(30) **Foreign Application Priority Data**

Aug. 17, 2016 (CA) 169997

(51) **LOC (12) Cl.** **15-02**

(52) **U.S. Cl.**
USPC **D15/11**

(58) **Field of Classification Search**

USPC D15/10, 11, 13, 19, 17, 21, 28, 14, 15,
D15/16

CPC ... A47L 5/14; A47L 9/32; A01G 1/125; F04B
17/00; F04B 35/04; A01D 34/664; A01D
34/66; A01D 34/667; A01D 34/81; A01D
34/661; A01D 34/668; A01D 61/004

See application file for complete search history.

(56) **References Cited**

U.S. PATENT DOCUMENTS

2,679,382 A * 5/1954 Schmidt E21B 10/003
175/400

4,026,474 A 5/1977 Knauer

4,890,598 A 1/1990 Kinsworthy
5,671,888 A 9/1997 Smith
6,409,097 B1 6/2002 McCauley
6,702,101 B2 3/2004 Haruch
6,837,447 B1 1/2005 Clark
7,065,944 B1 6/2006 Steele
D584,461 S 1/2009 Sweeney
D653,008 S 1/2012 Houghton

(Continued)

FOREIGN PATENT DOCUMENTS

WO 2012076885 A2 6/2012

OTHER PUBLICATIONS

Atech, Increased Efficiency Leaf Blower, retrieved from <http://www.thingiverse.com/thing:176094>, Nov. 2, 2013, pp. 1-2.

(Continued)

Primary Examiner — Mark A Goodwin

Assistant Examiner — Benjamin M Weeks

(74) *Attorney, Agent, or Firm* — Dorsey & Whitney LLP

(57) **CLAIM**

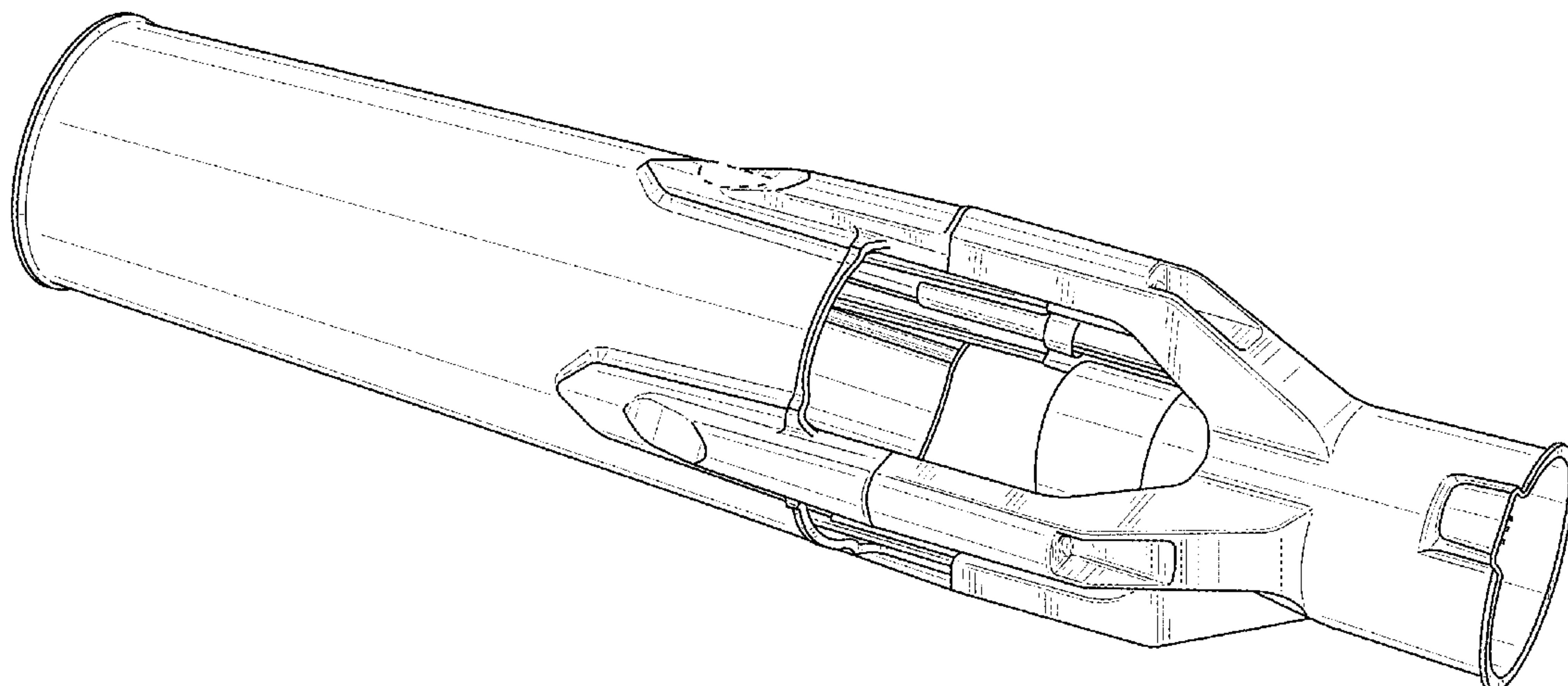
The ornamental design of a blower nozzle, as shown and
described.

DESCRIPTION

FIG. 1 is a right, rear, perspective view of a blower nozzle;
FIG. 2 is a right-side view thereof;
FIG. 3 is a left-side view thereof;
FIG. 4 is a rear view thereof;
FIG. 5 is a front view thereof;
FIG. 6 is a top view thereof; and,
FIG. 7 is a bottom view thereof.

The broken lines in the figures depict portions of the blower
nozzle that form no part of the claimed design.

1 Claim, 6 Drawing Sheets



(56)

References Cited

U.S. PATENT DOCUMENTS

8,407,913 B2 4/2013 Langley
D738,052 S 9/2015 Kim
D756,575 S 5/2016 Flurer
D798,513 S 9/2017 Tinius
D829,392 S 9/2018 Lane
D834,270 S 11/2018 Näslund
D834,271 S 11/2018 Näslund
D853,061 S * 7/2019 Dretzke D32/15
D853,669 S * 7/2019 Qiu D32/15
D854,265 S * 7/2019 Wachter D32/15
D855,910 S * 8/2019 Gammack D32/18
D855,911 S * 8/2019 Gammack D32/18
D862,818 S * 10/2019 Bruneel D32/18
D868,398 S * 11/2019 Tinius D32/15
D868,403 S * 11/2019 Wang D32/18
D869,794 S * 12/2019 Zhou D32/18
D869,795 S * 12/2019 Wang D32/18
D872,394 S * 1/2020 Yang D32/18
D872,951 S * 1/2020 Mehra D32/15
D873,513 S * 1/2020 Tolchard D32/18
D873,514 S * 1/2020 Huang D32/18
2002/0108211 A1 8/2002 Svoboda

2003/0079366 A1 5/2003 Chang
2003/0233730 A1 12/2003 Sanders
2008/0148513 A1 6/2008 Shaffer
2009/0126147 A1 5/2009 Nakazawa
2012/0318891 A1 12/2012 Chou
2013/0228232 A1 9/2013 Chen
2014/0084492 A1 3/2014 Staniforth
2016/0106285 A1 4/2016 Jenson

OTHER PUBLICATIONS

Fox Valve Development Corp., Fox Solids Conveying Educators, retrieved from: <http://www.elkoneet.com/uploads/lisaatietoja/Fox/Fox%20venturi%20yleisesite.pdf>, Jul. 14, 2014, pp. 1-8.
Prime-Air Blowers, Inc., Prime-Air Hurricane Venturi Bowers, retrieved from: <http://primeairblowers.com/Instructions/HurricaneBrochure.pdf>, Jul. 14, 2014, pp. 1-2.
Allegro Industries, New Products and Extensive Line of Ventilation Blowers from Allegro Industries, retrieved from: <https://www.ishn.com/articles/print/91371-new-products-and-extensive-line-of-ventilation-blowers-from-allegro-industries> on Jul. 11, 2011, pp. 1-2.

* cited by examiner

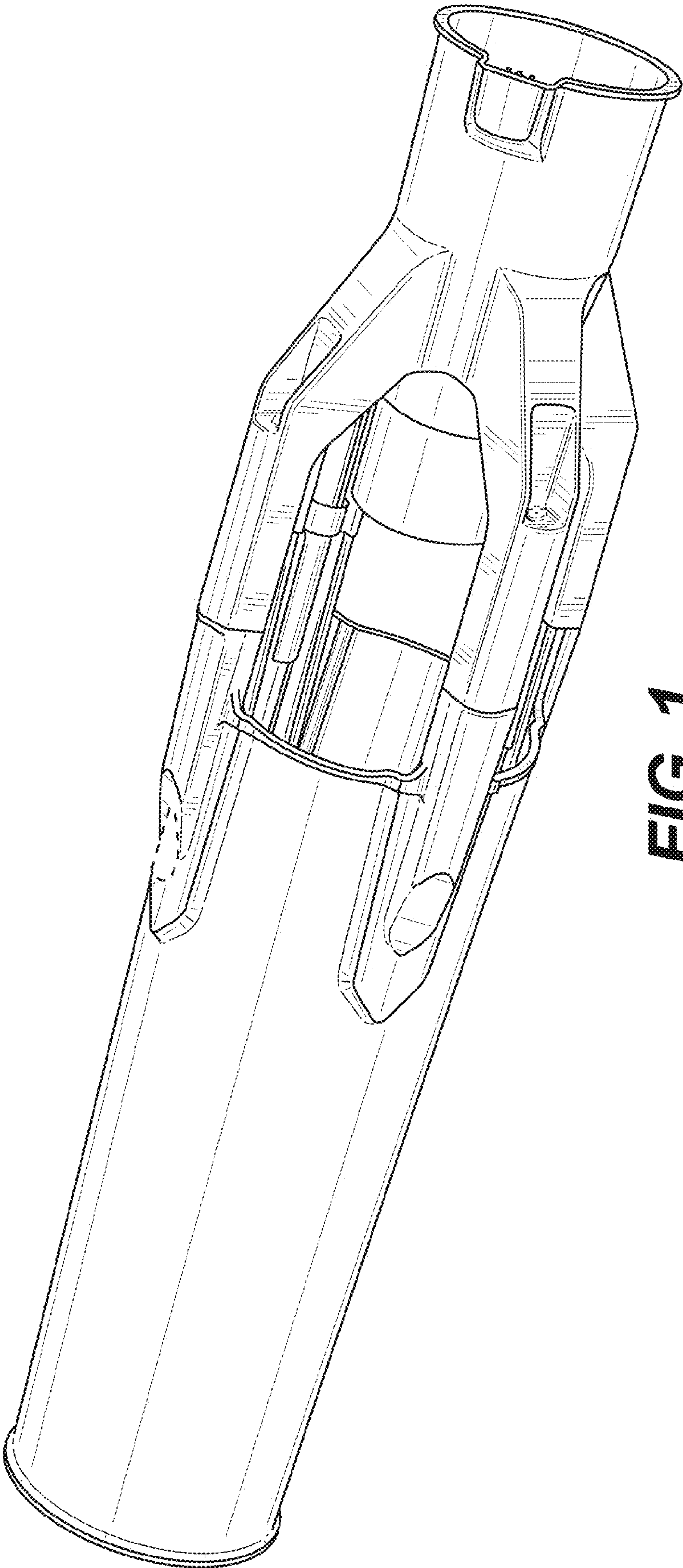


FIG. 1

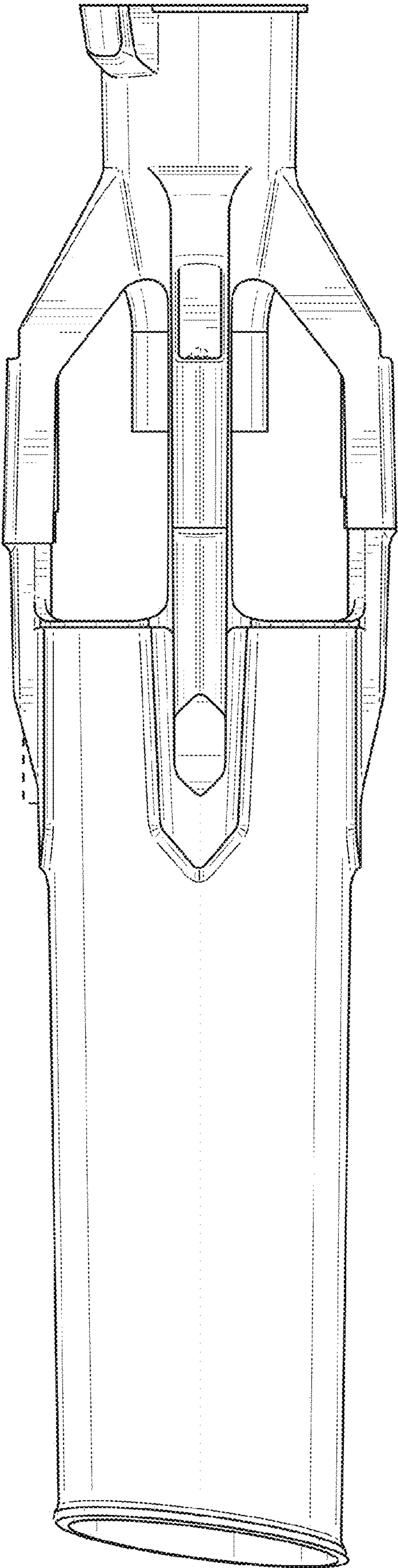


FIG. 2

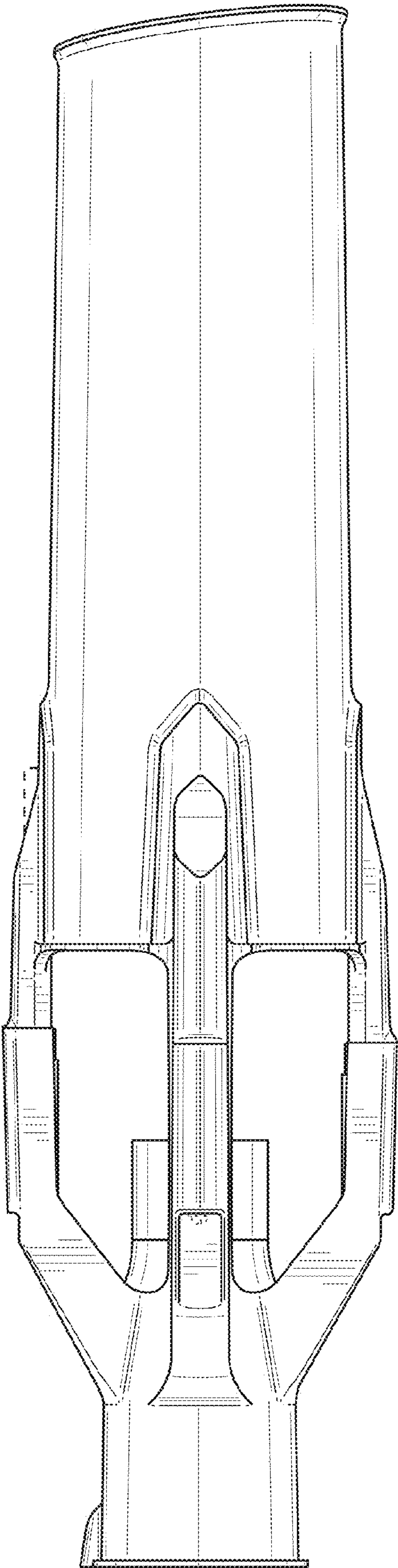


FIG. 3

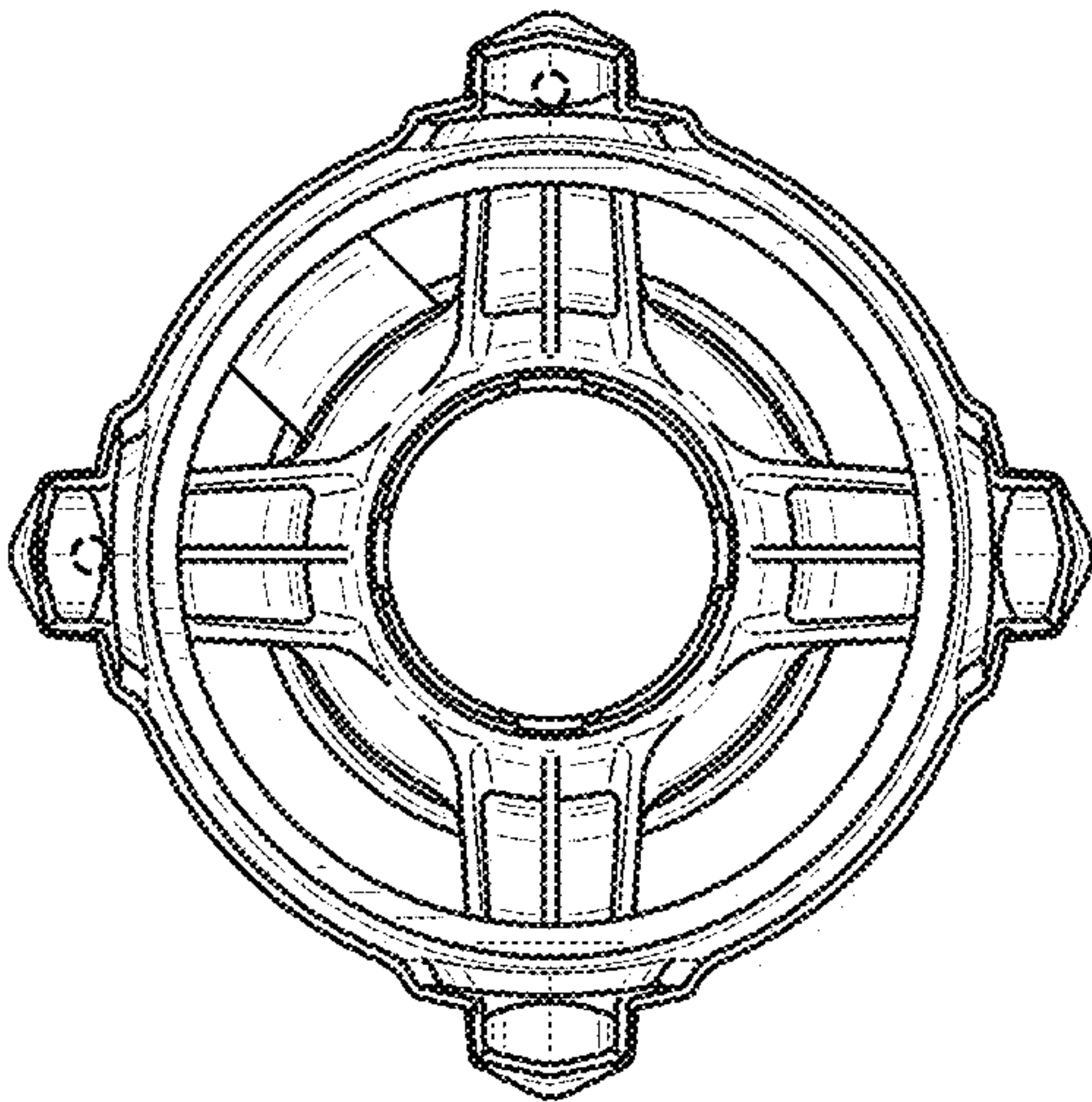


FIG. 5

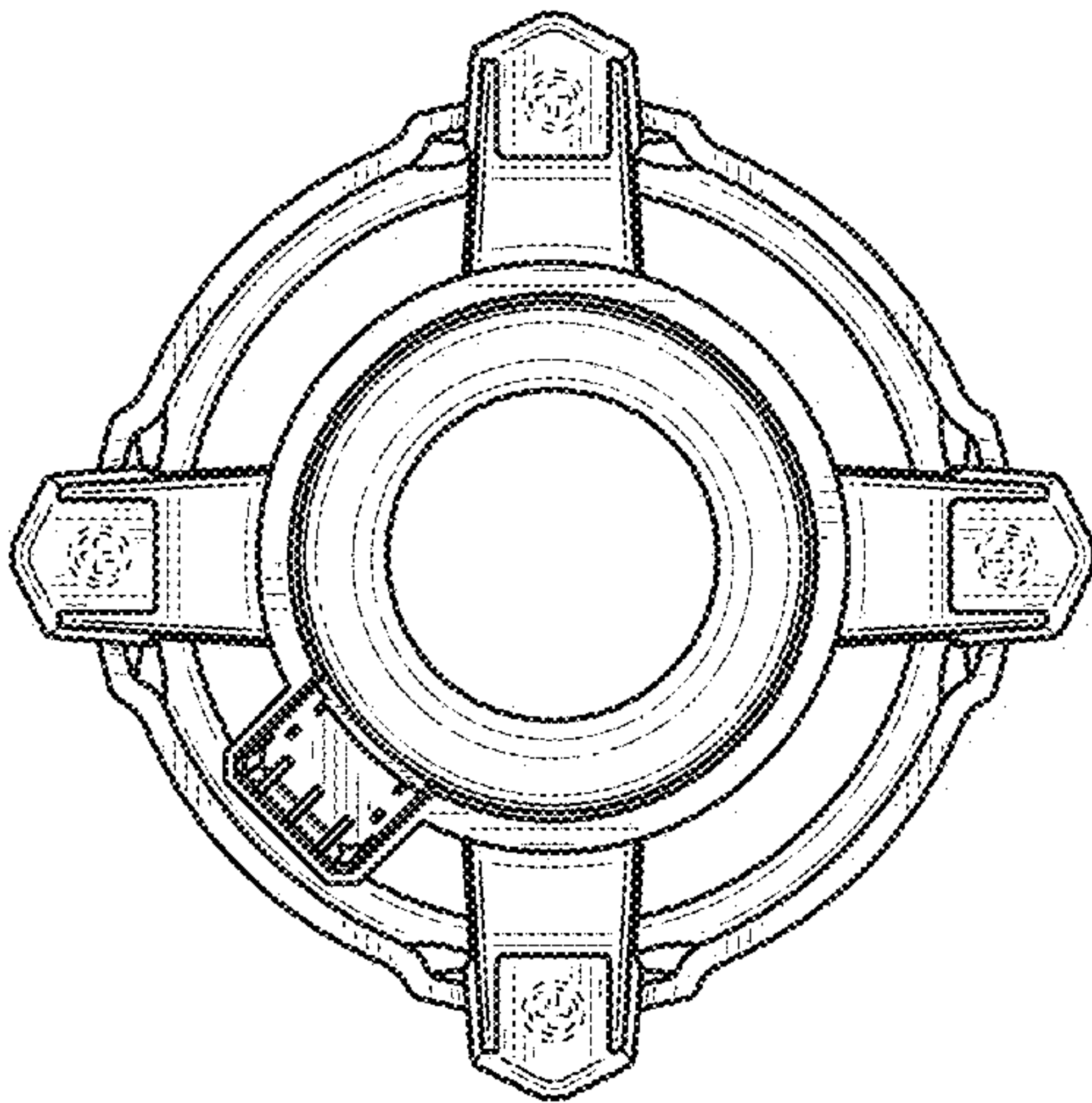


FIG. 4

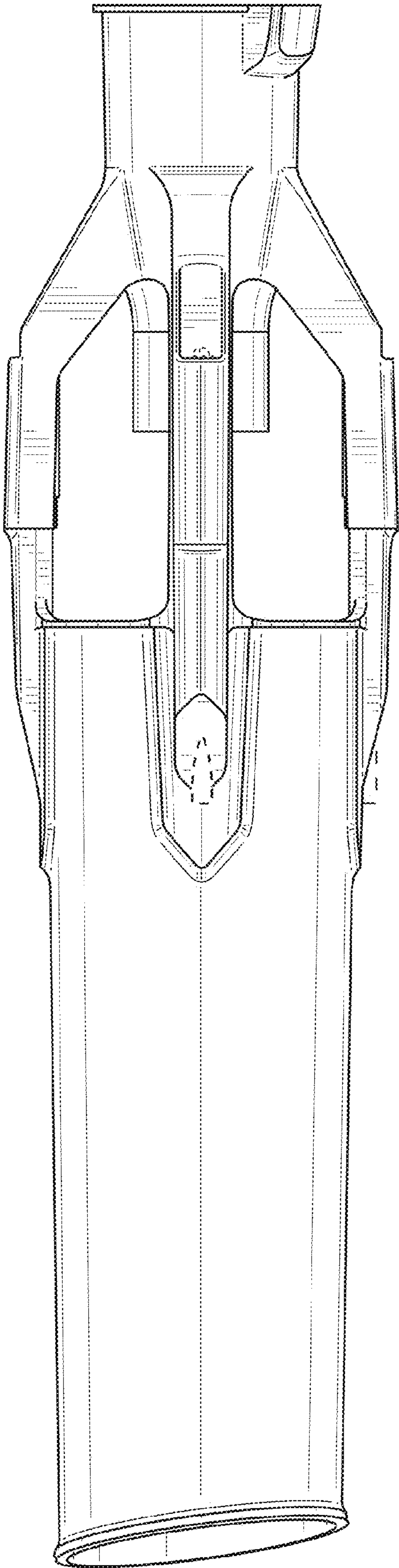


FIG. 6

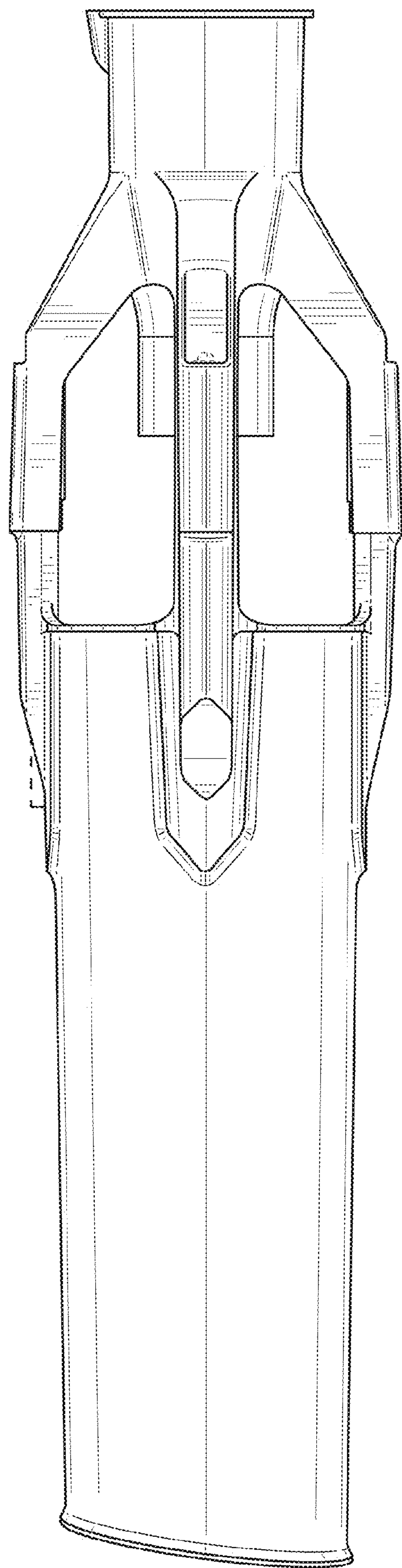


FIG. 7