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

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(54) **TIRE PRESSURE SENSOR**

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

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(51) **LOC (14) Cl.** **10-04**

(52) **U.S. Cl.**
USPC **D10/86**

(58) **Field of Classification Search**
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B60C 23/0408; H05K 1/18; H05K
2201/10151; H01Q 23/00; B25B 27/0057;
G01L 17/00; G01L 19/08; Y10T
137/0396; G05B 19/048; G01D 13/22
See application file for complete search history.

2019/0030966 A1* 1/2019 Dementyev G01L 17/00
2020/0001668 A1* 1/2020 Buttimer B60C 23/0408
2020/0324587 A1* 10/2020 Luo B60C 29/02
2021/0276376 A1* 9/2021 Feng B60C 29/02

FOREIGN PATENT DOCUMENTS

CN 303094851 * 8/2014
CN 303356762 * 4/2015
CN 304449224 * 7/2017
CN 304771638 * 3/2018

(Continued)

OTHER PUBLICATIONS

RLP, Tire Pressure Monitoring System, Date first available Oct. 12, 2021, [online]retrieved Dec. 12, 2022, available from <https://www.amazon.com/DP/B09J89THSD> (Year: 2021).*

(Continued)

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(56) **References Cited**

U.S. PATENT DOCUMENTS

D903,516 S * 12/2020 Lu D10/86
D904,911 S * 12/2020 Lu D10/86
2008/0121031 A1* 5/2008 Huang B60C 23/0408
73/146.4
2012/0304755 A1* 12/2012 Chuang B60C 23/0494
73/146.8
2014/0318231 A1* 10/2014 Lo B60C 23/0494
73/146.8
2015/0183278 A1* 7/2015 Jankowski B60C 23/0494
29/729
2015/0283868 A1* 10/2015 Chow B60C 23/0462
340/447
2016/0082792 A1* 3/2016 Gorenzweig B60C 23/0491
701/36
2016/0096404 A1* 4/2016 Gorenzweig B60C 23/0494
73/146.8

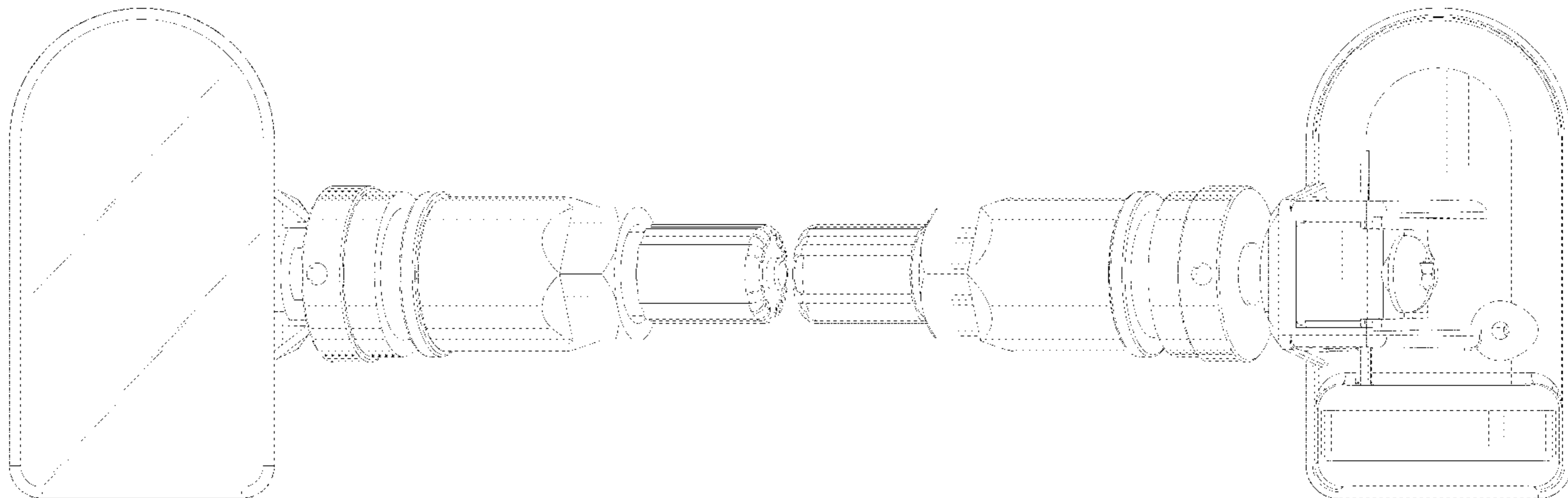
(57) **CLAIM**

The ornamental design for a tire pressure sensor, as shown.

DESCRIPTION

FIG. 1 is a front elevational view of a tire pressure sensor showing my new design;
FIG. 2 is a rear elevational view thereof;
FIG. 3 is a top plan view thereof;
FIG. 4 is a bottom plan view thereof;
FIG. 5 is a left side view thereof;
FIG. 6 is a right side view thereof;
FIG. 7 is a perspective view thereof; and,
FIG. 8 is another perspective view thereof.

1 Claim, 8 Drawing Sheets



(56)

References Cited

FOREIGN PATENT DOCUMENTS

CN	306070697	*	3/2020
CN	306906294	*	6/2021
CN	307630672	*	11/2022

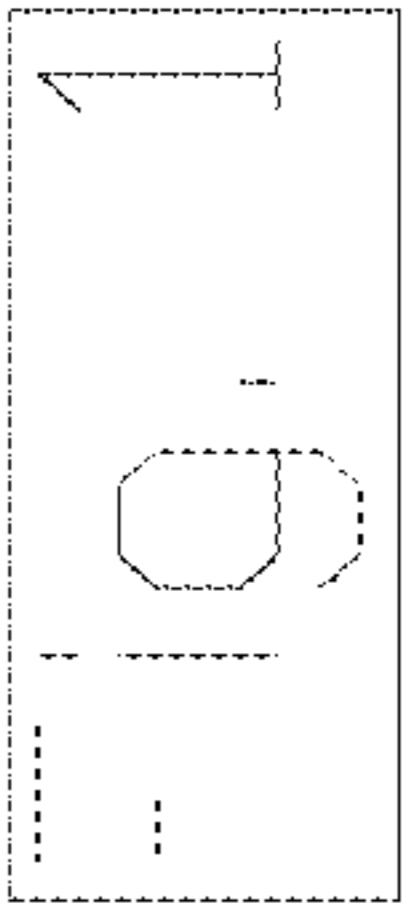
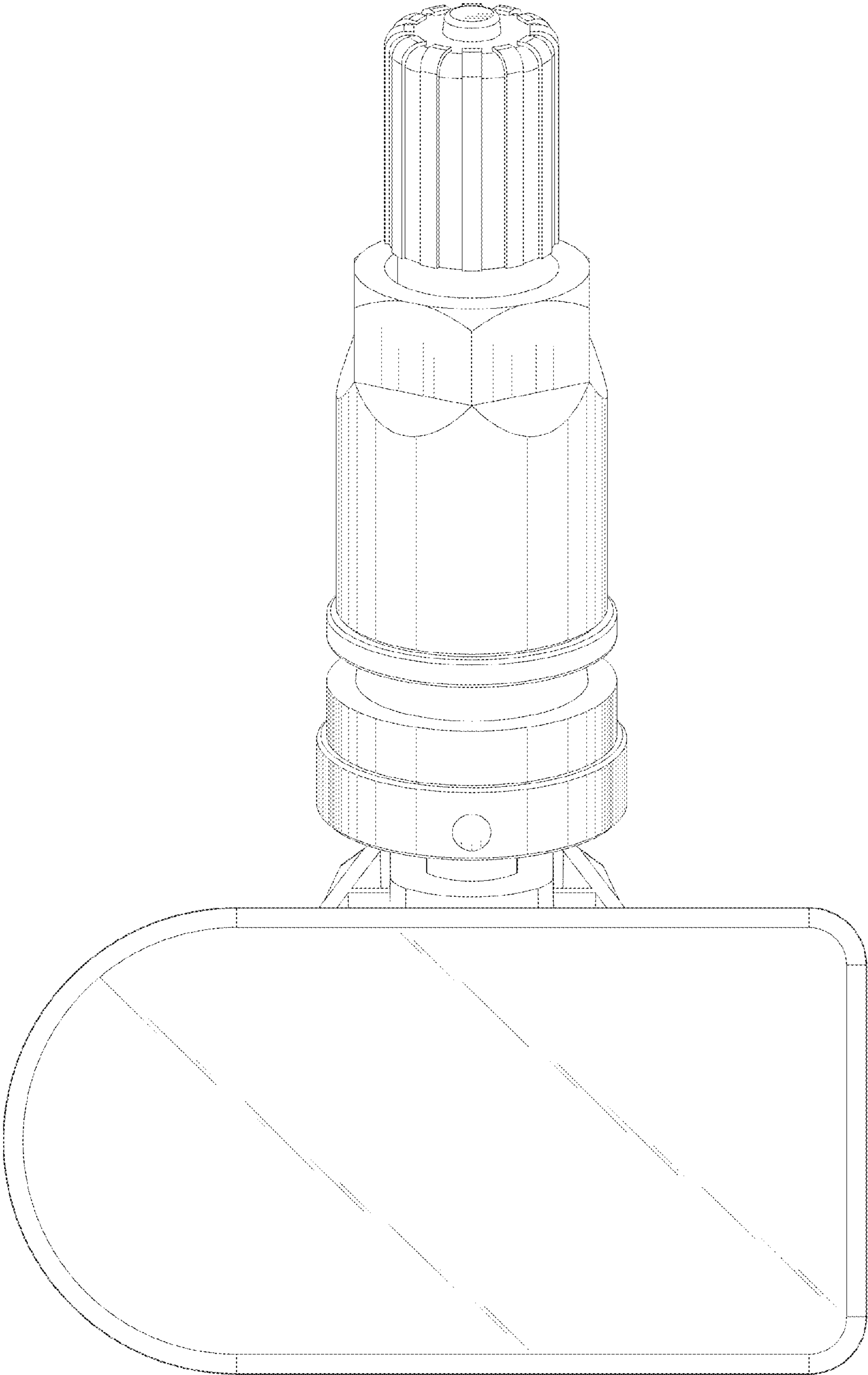
OTHER PUBLICATIONS

Moresensor Store, Tire Pressure Sensor, Date first available Jan. 17, 2017, [online]retrieved Dec. 12, 2022,available from <https://www.amazon.com/DP/B01NBU6HSL> (Year: 2017).*

Findauto Store,Tire Sensor, Date first available Jun. 9, 2021, [online]retrieved Dec. 14, 2022,available from <https://www.amazon.com/DP/B0928Z34WN> (Year: 2021).*

Mostplus Store,TPMS Tire Pressure Monitoring System Sensor, Date first available Jun. 17, 2021, [online]retrieved Dec. 14, 2022, available from <https://www.amazon.com/DP/B097HBCCCH> (Year: 2021).*

* cited by examiner



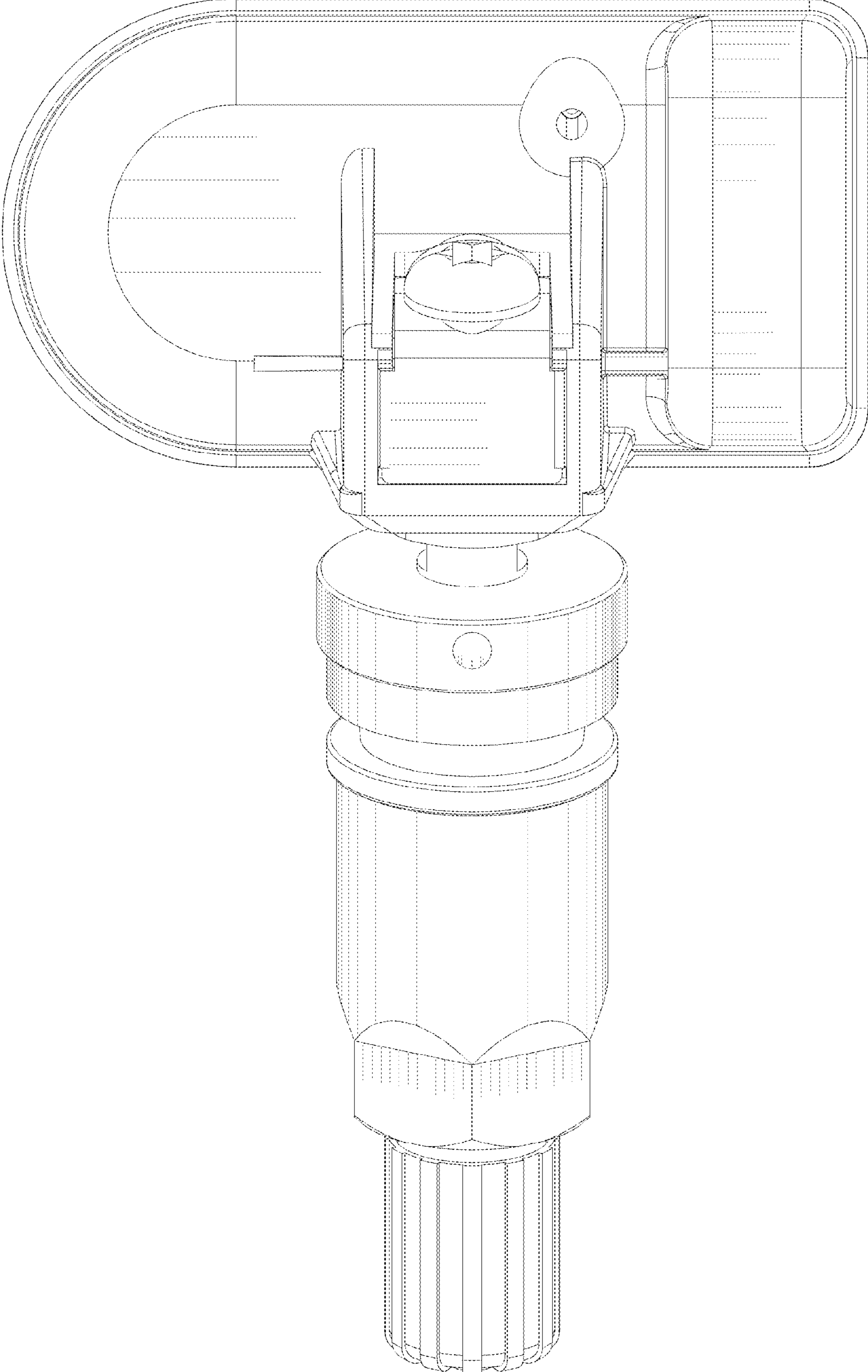


FIG. 2

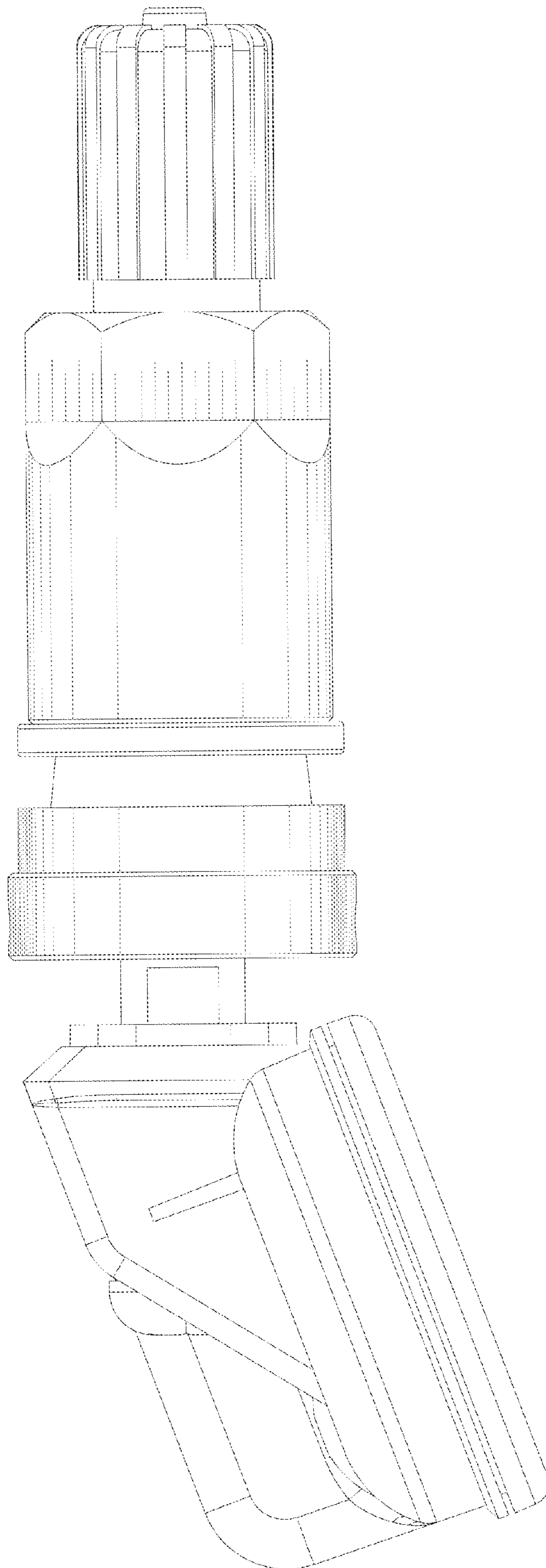


FIG. 3

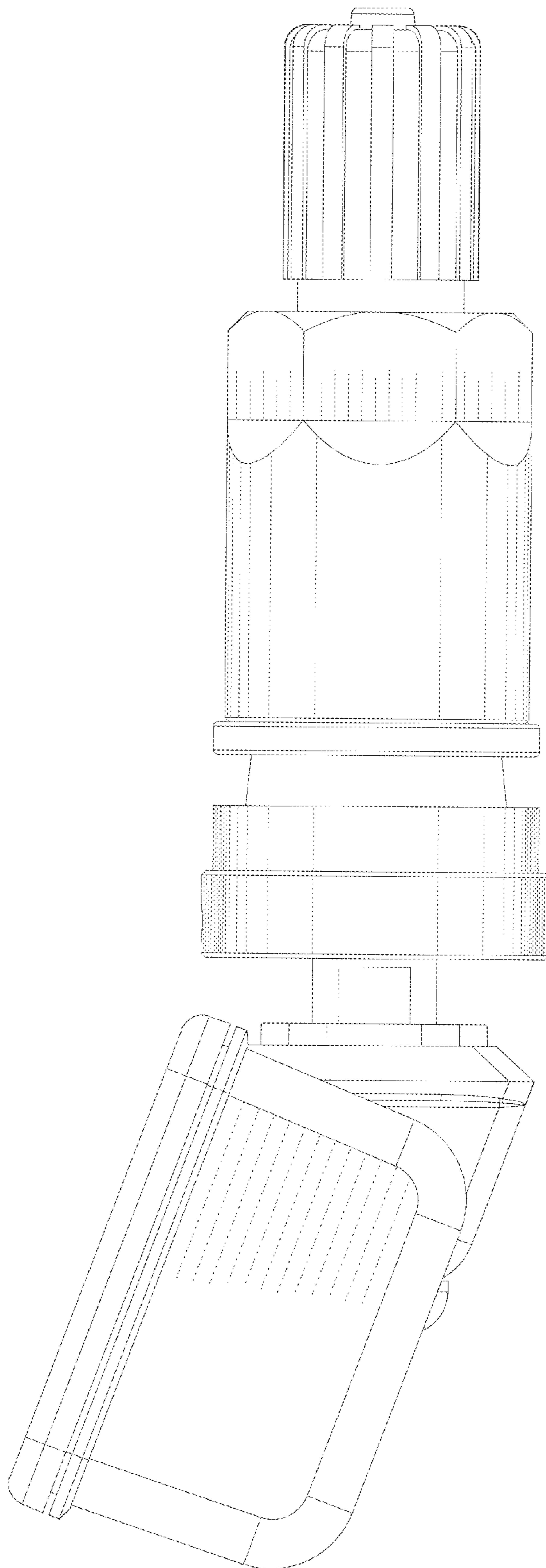


FIG. 4

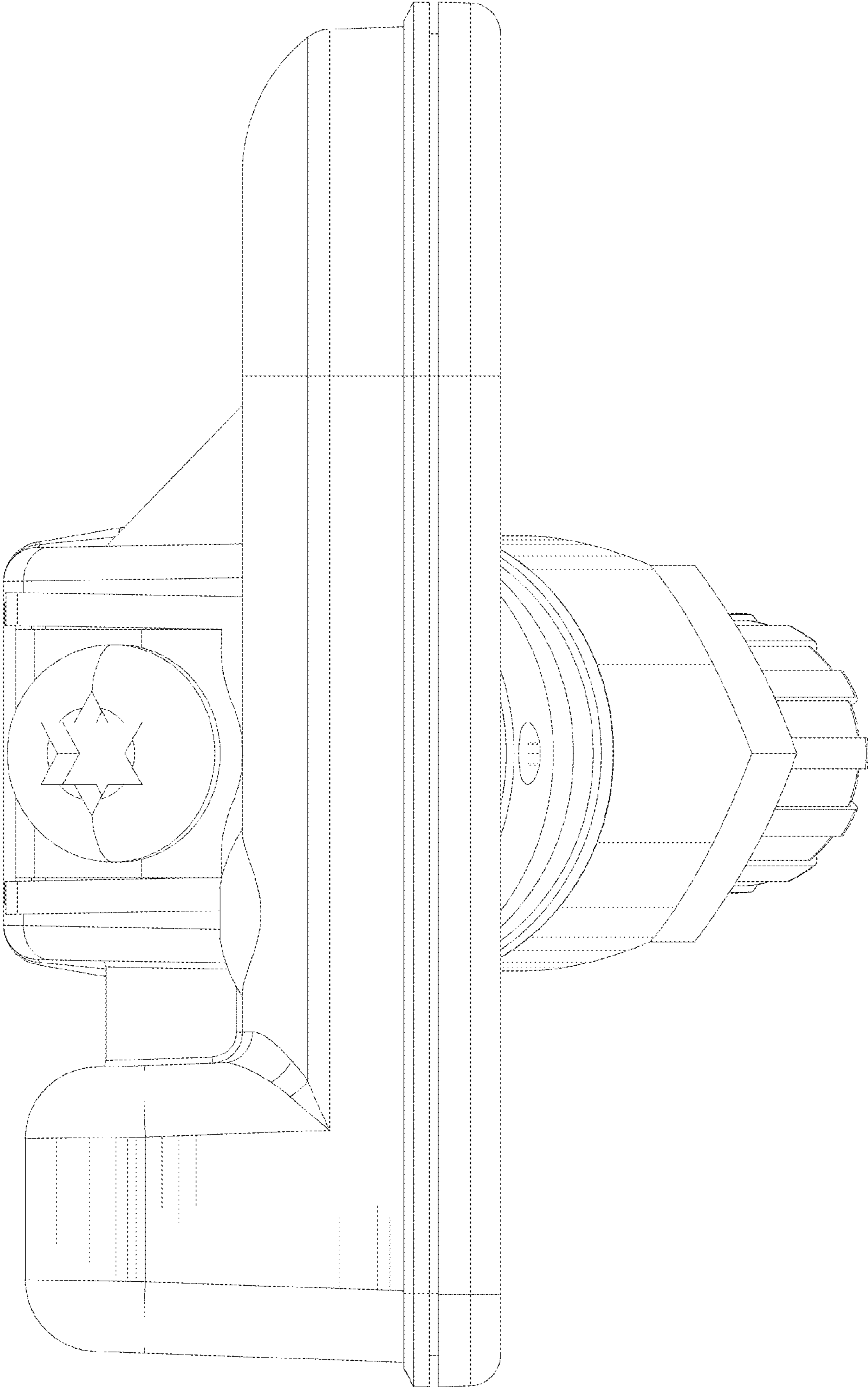


FIG. 5

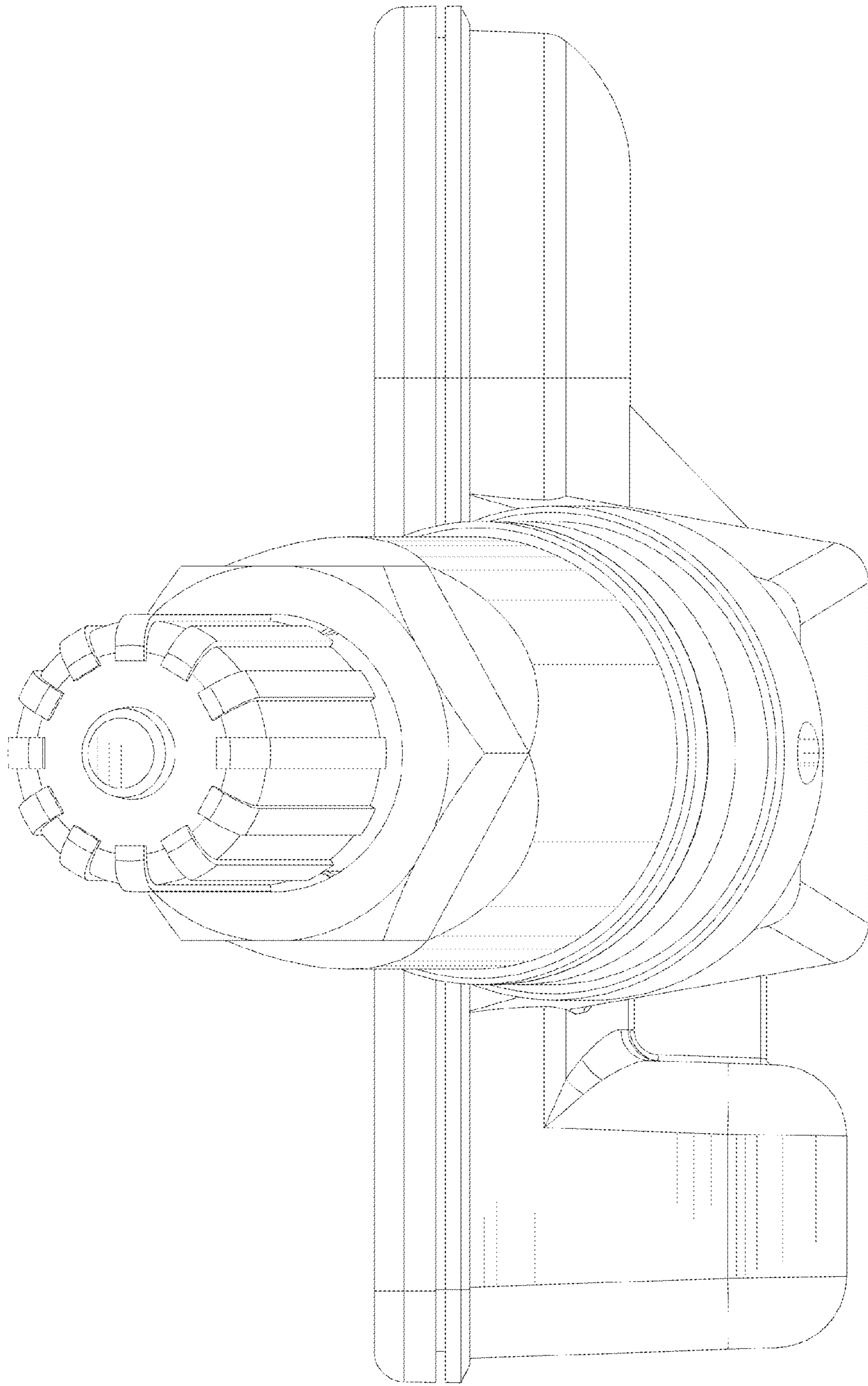


FIG. 6

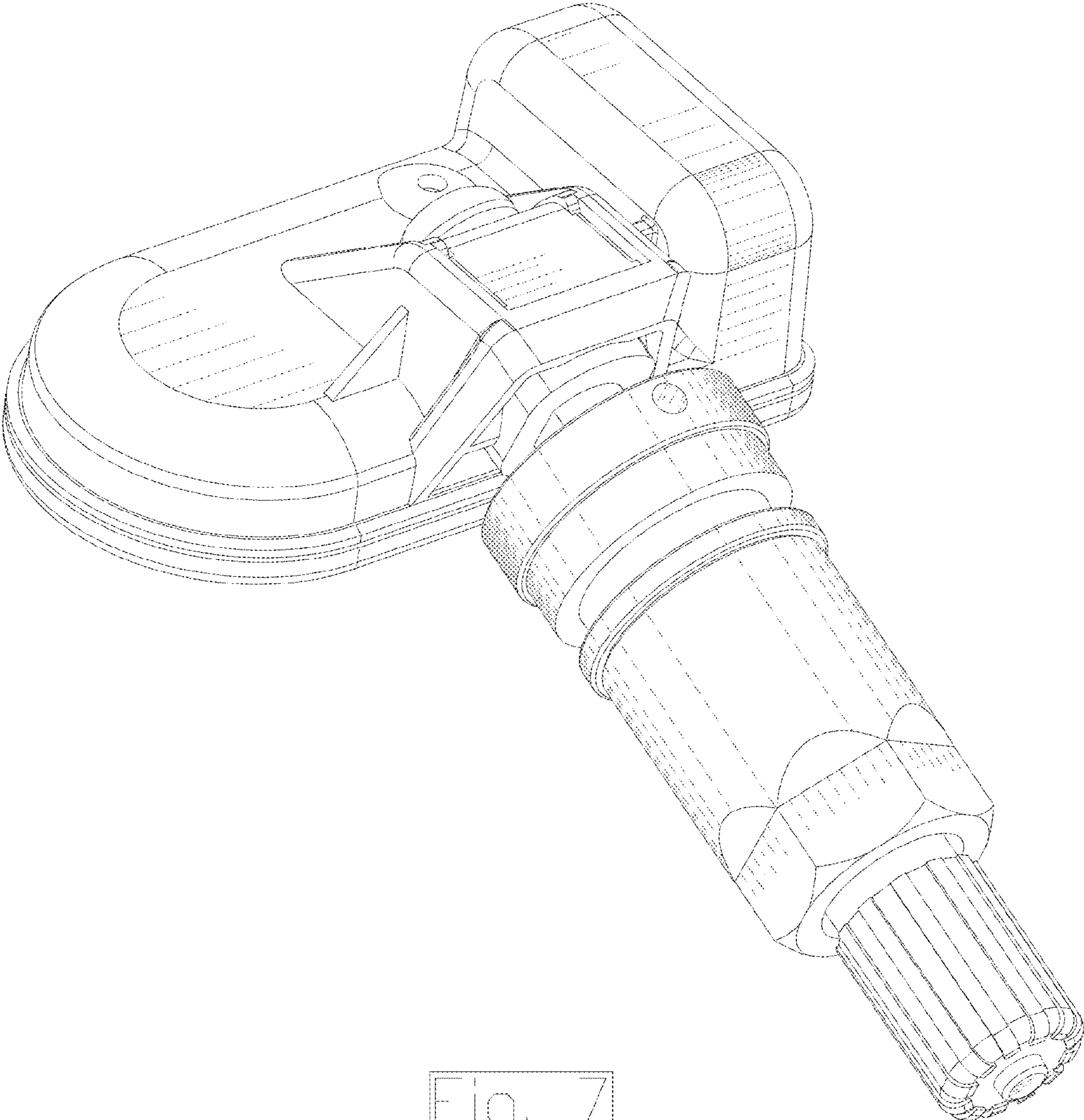


Fig. 7

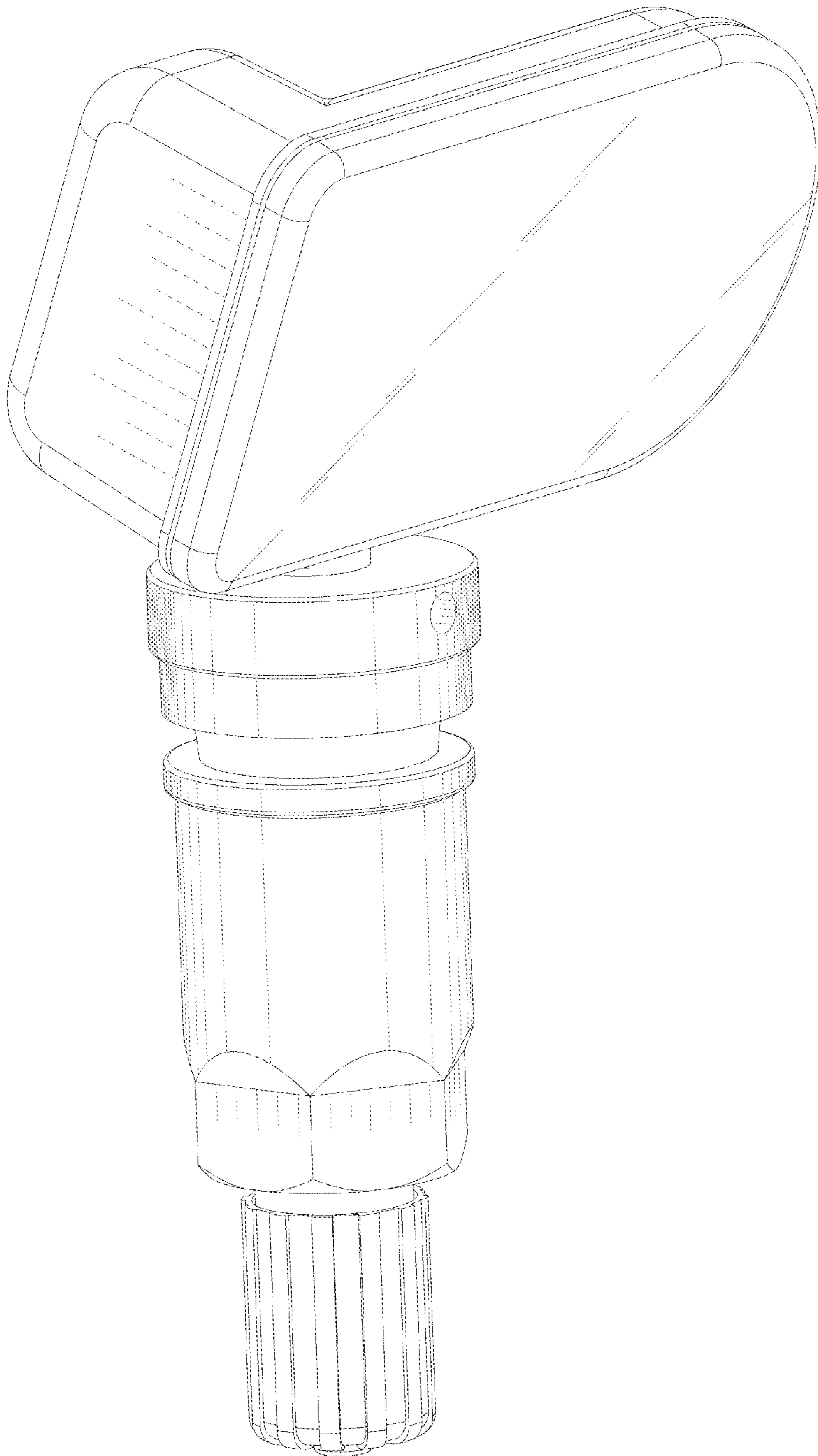


Fig. 8