



US00D714225S

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

(10) **Patent No.:** **US D714,225 S**
(45) **Date of Patent:** **** Sep. 30, 2014**

(54) **CHARGING CONNECTOR FOR AN
AUTOMOBILE**

(71) Applicant: **Sumitomo Wiring Systems, Ltd.,
Yokkaichi (JP)**

(72) Inventor: **Toshifumi Ichio, Yokkaichi (JP)**

(73) Assignee: **Sumitomo Wiring Systems, Ltd.,
Mie-ken (JP)**

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

(21) Appl. No.: **29/478,199**

(22) Filed: **Jan. 2, 2014**

Related U.S. Application Data

(62) Division of application No. 29/409,040, filed on Dec. 20, 2011, now Pat. No. Des. 702,641.

(30) **Foreign Application Priority Data**

Jul. 5, 2011 (JP) 2011-015433
Jul. 5, 2011 (JP) 2011-015434

(51) **LOC (10) Cl.** **13-03**

(52) **U.S. Cl.**
USPC **D13/146; D13/147**

(58) **Field of Classification Search**
CPC H01R 2201/26; H01R 13/635; H01R 13/6315; H01R 13/193; H01R 13/5219; H01R 13/5808; H01R 23/7005; H01R 24/28; H01R 33/7628
USPC D13/107-110, 118-120, 133, 146, 147, D13/154, 156, 184, 199; 320/103, 104, 105, 320/107, 108, 109; 439/34, 153, 246, 252, 439/259, 278, 282, 296, 304, 310, 353, 374, 439/378-381, 455, 456, 476.1, 483, 519, 439/527, 532, 533, 597-598, 600, 660, 680, 439/862, 894

See application file for complete search history.

(56) **References Cited**

U.S. PATENT DOCUMENTS

D634,709 S 3/2011 Ichio
D636,334 S 4/2011 Kato et al.

(Continued)

FOREIGN PATENT DOCUMENTS

JP 1383009 3/2010
JP 1398789 10/2010

(Continued)

OTHER PUBLICATIONS

Automakers Agree on Common Charging Systems for EVs. GreenPacks.org [online] Oct. 17, 2011 [retrieved on Nov. 1, 2013]. Retrieved from the Internet: <http://www.greenpacks.org/2011/10/17/automakers-agree-on-common-charging-systems-for-evs/>.

Primary Examiner — Adir Aronovich

Assistant Examiner — Ramzi Almatrahi

(74) *Attorney, Agent, or Firm* — Fish & Richardson P.C.

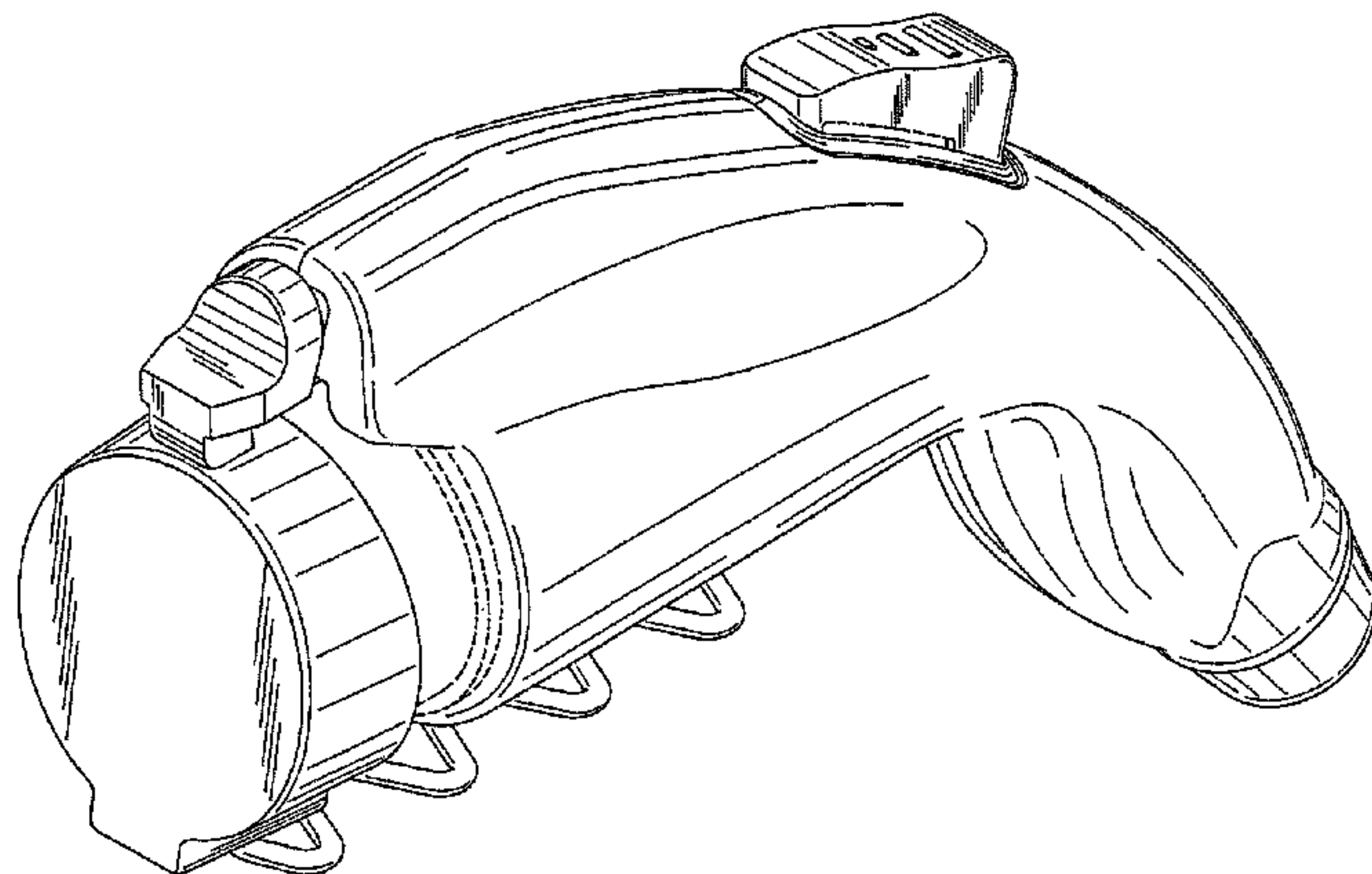
(57) **CLAIM**

The ornamental design for a charging connector for an automobile, as shown and described.

DESCRIPTION

FIG. 1 is a front perspective view of a charging connector for an automobile showing my new design; FIG. 2 is a front elevational view thereof; FIG. 3 is a rear elevational view thereof; FIG. 4 is a top plan view thereof; FIG. 5 is a bottom plan view thereof; FIG. 6 is a right side elevational view thereof; FIG. 7 is a left side elevation view thereof; FIG. 8 is a reduced perspective view showing the status in which the lid is opened; and, FIG. 9 is a left side elevational view showing the status in which the lid is opened. The features shown in broken lines in the drawings depict environmental subject matter only and form no part of the claimed design.

1 Claim, 7 Drawing Sheets



(56)

References Cited

U.S. PATENT DOCUMENTS

8,152,550 B2 4/2012 Ichio et al.
8,206,171 B2* 6/2012 Osawa et al. 439/352
D664,099 S * 7/2012 Fukushima et al. D13/156
D667,376 S 9/2012 Mori et al.
D669,033 S 10/2012 Senk et al.
D670,651 S 11/2012 Mori et al.
D671,073 S 11/2012 Mori et al.
8,317,534 B2* 11/2012 Osawa et al. 439/353

8,342,856 B2 1/2013 Takada et al.
D677,632 S 3/2013 Riddle et al.
D690,652 S 10/2013 Anderson et al.
2011/0318950 A1* 12/2011 Ichio 439/345

FOREIGN PATENT DOCUMENTS

JP 1398790 10/2010
JP 1416347 6/2011

* cited by examiner

FIG.1

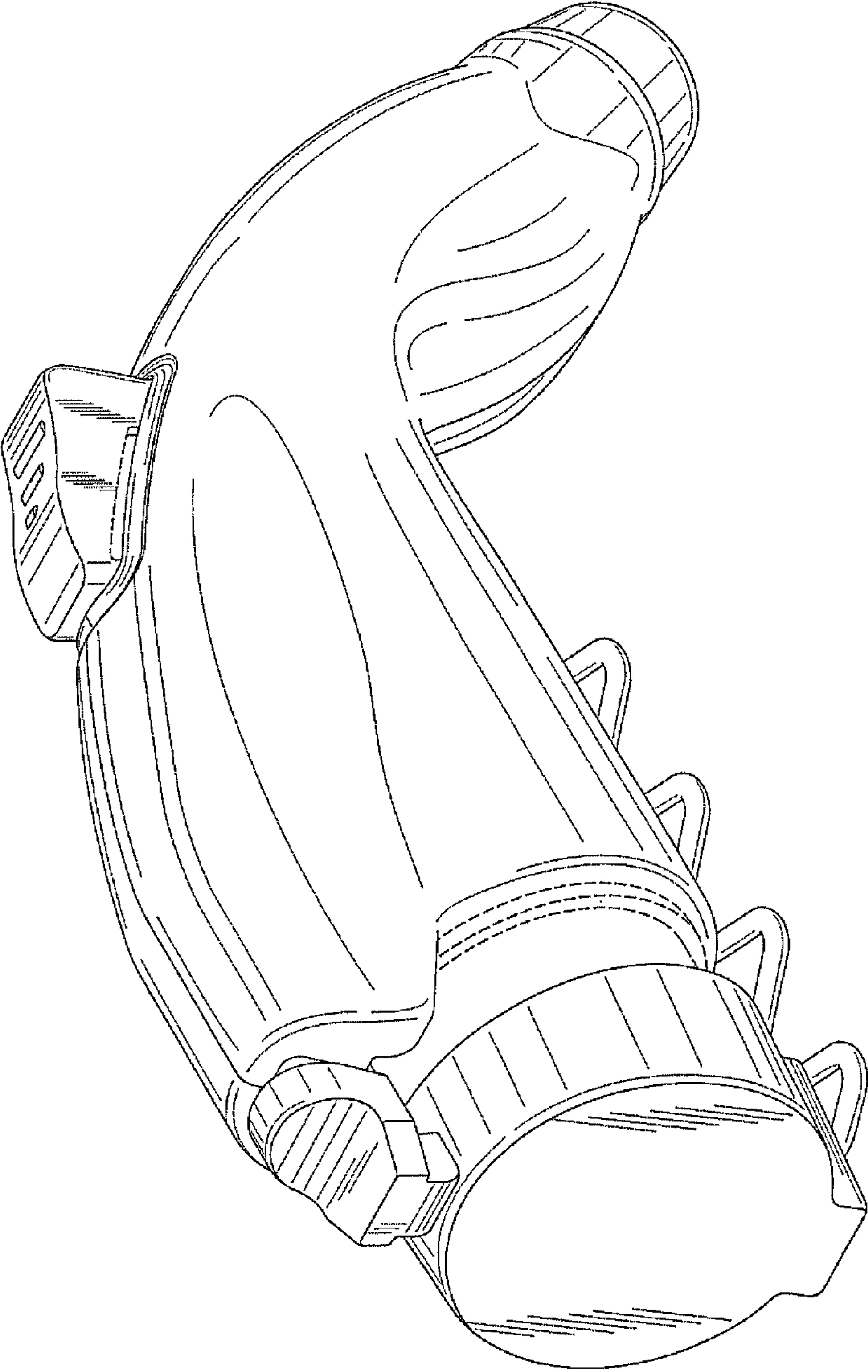


FIG.2

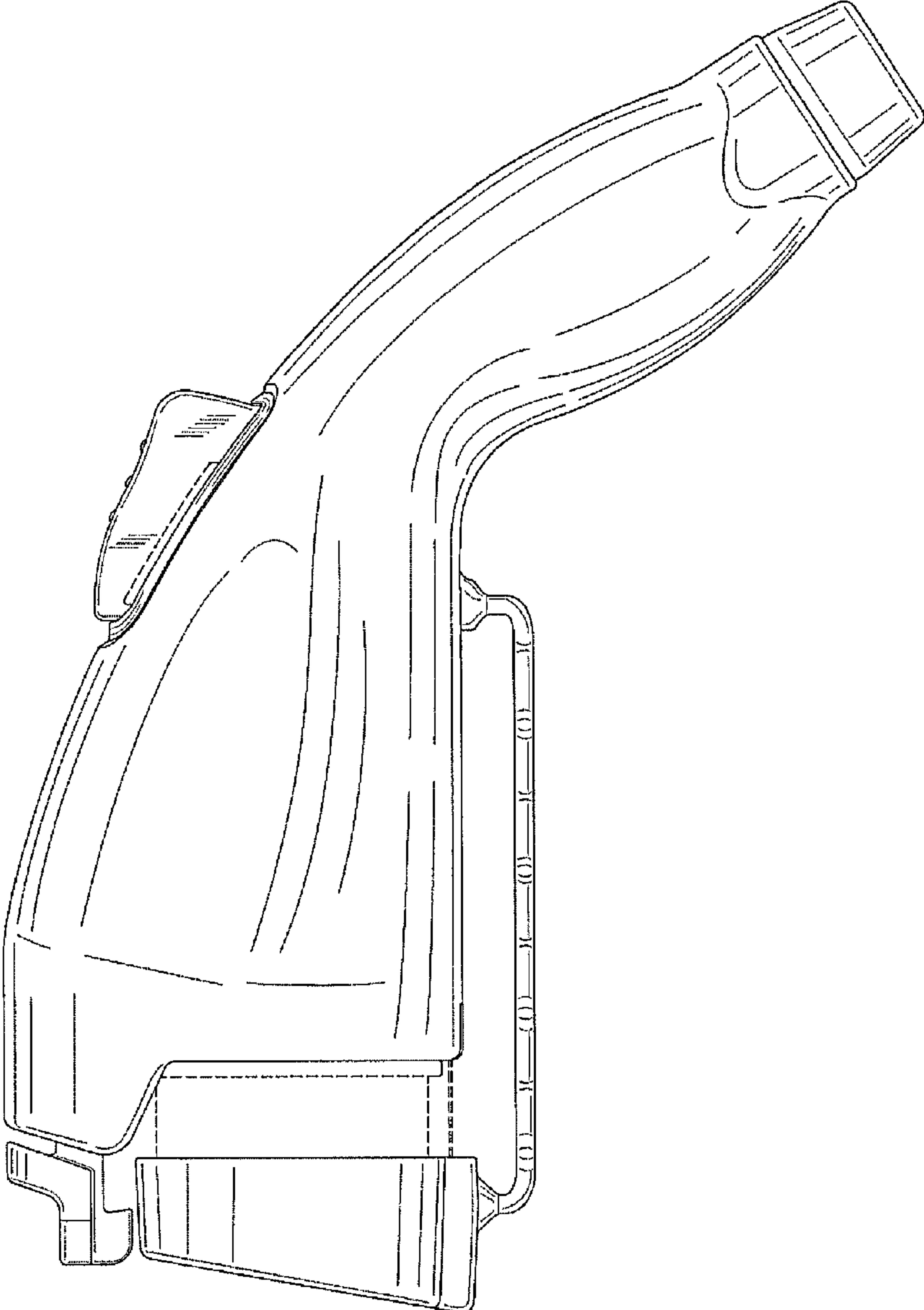


FIG.3

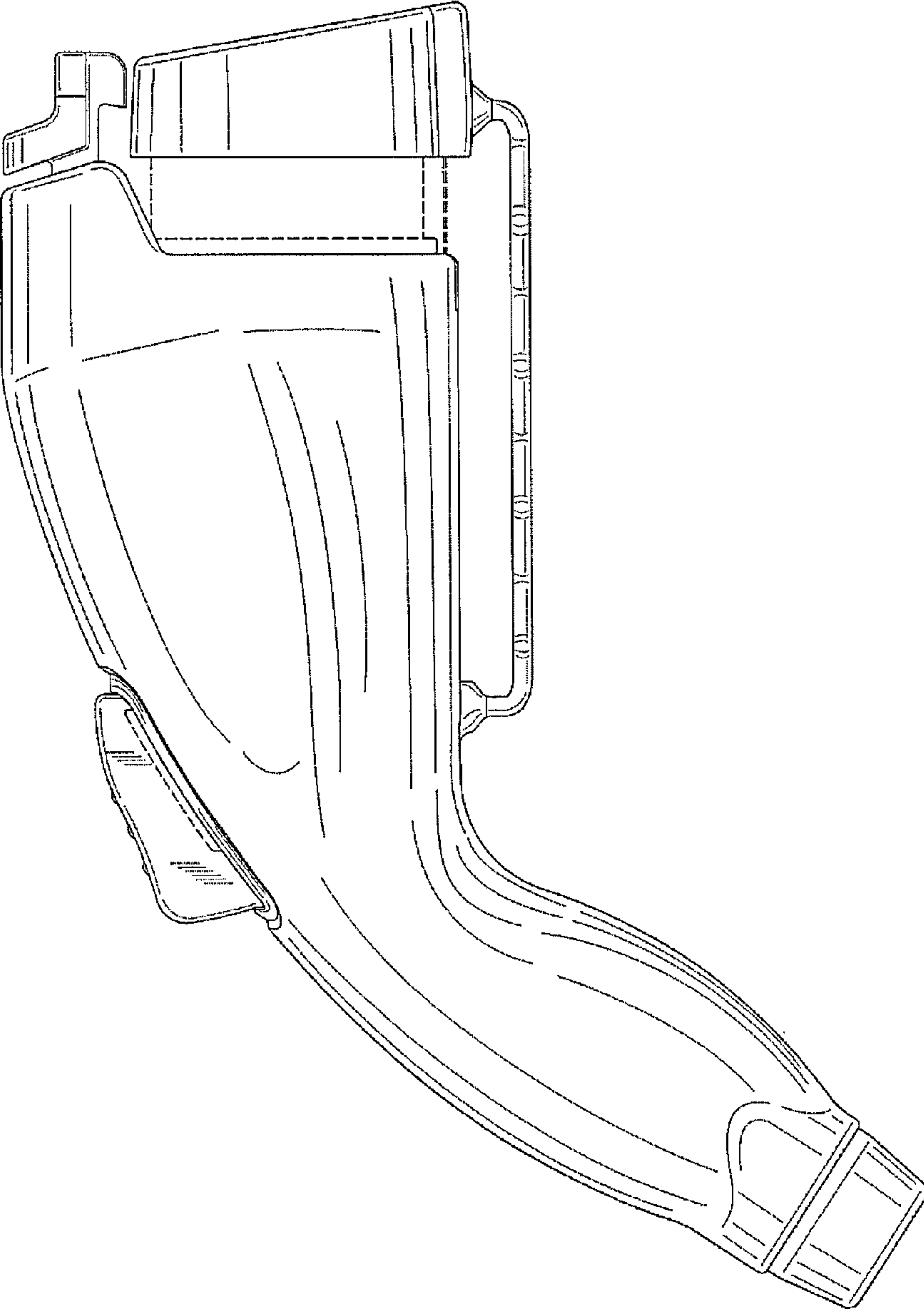


FIG.4

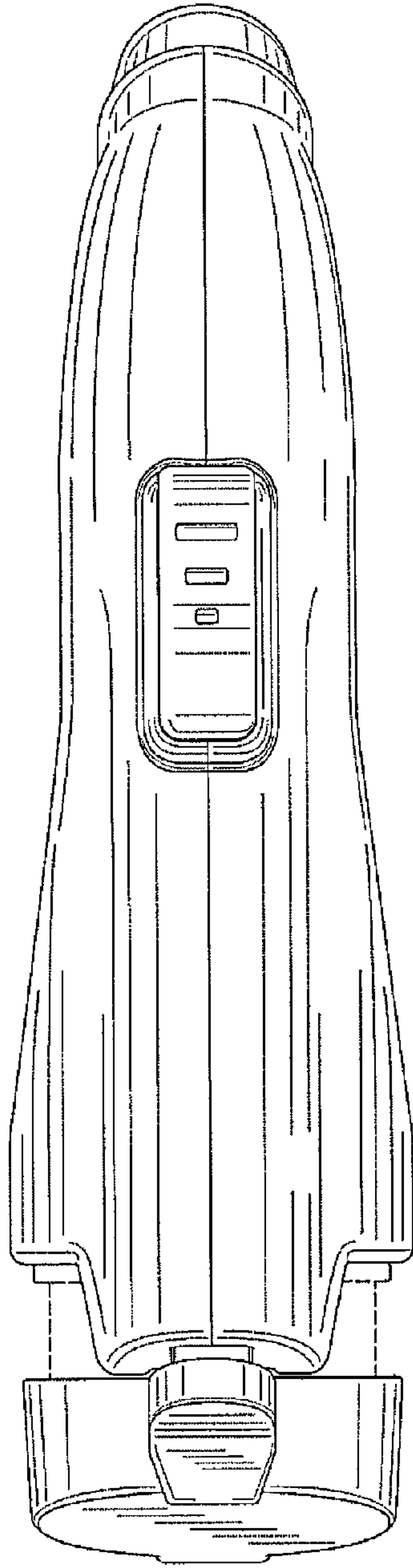


FIG.5

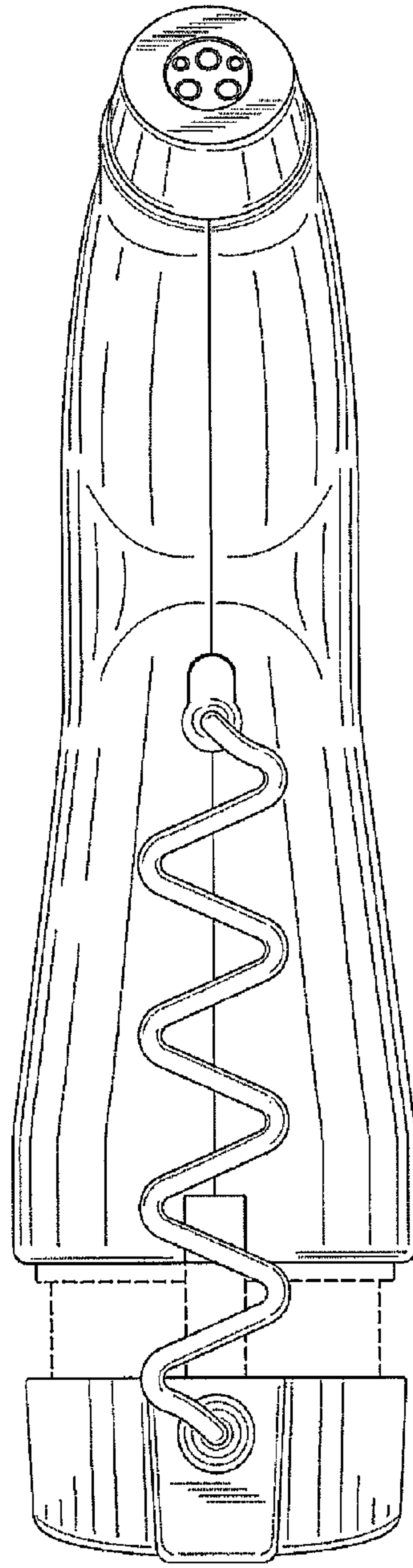


FIG.6

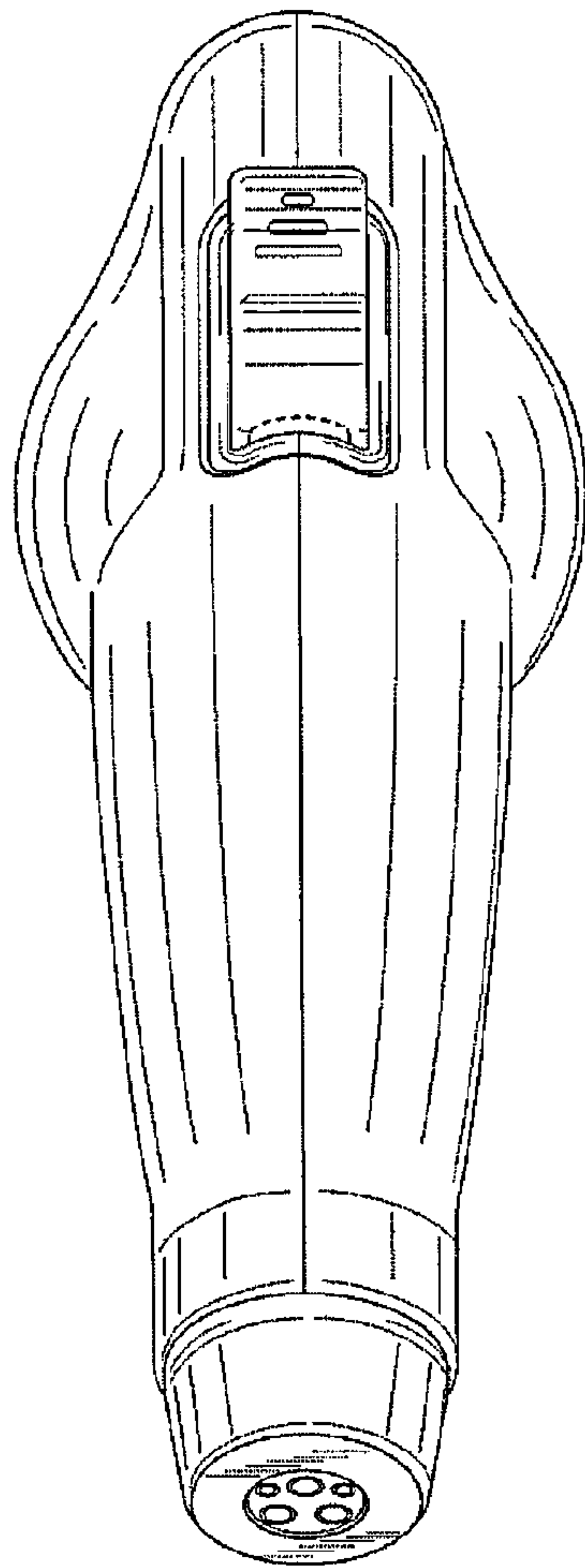


FIG.7

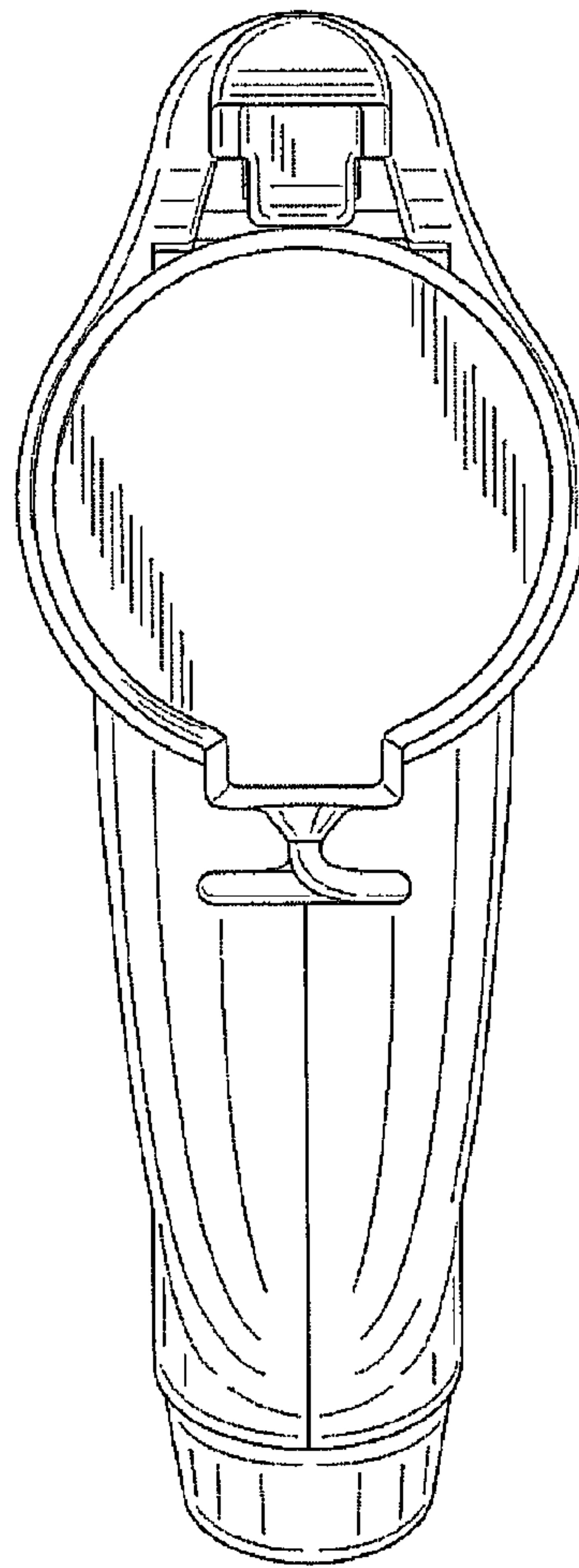


FIG.8

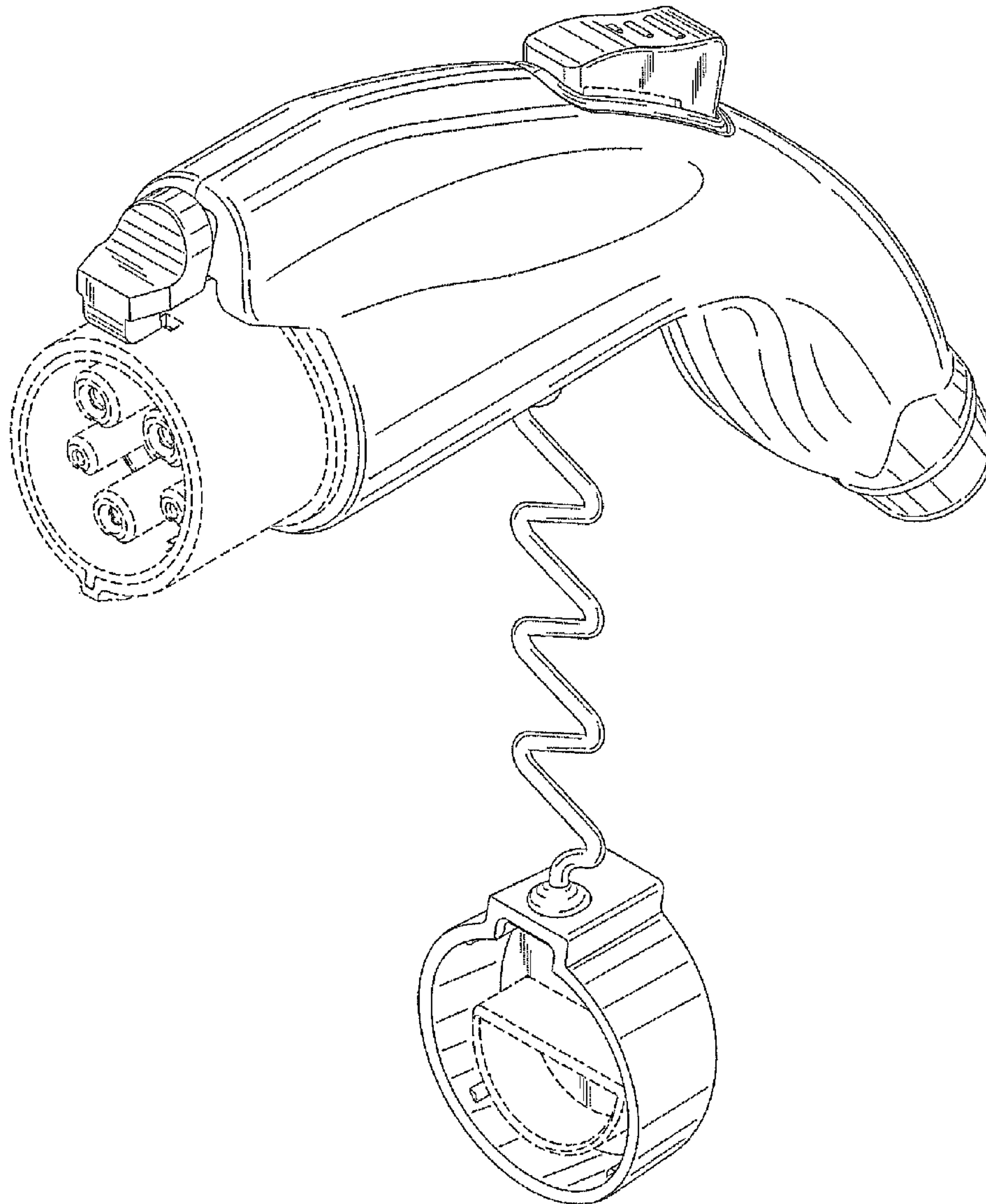


FIG.9

