



US00D746774S

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

(10) **Patent No.:** **US D746,774 S**  
(45) **Date of Patent:** **\*\* Jan. 5, 2016**

(54) **ELECTRICAL CONNECTOR**

(71) Applicant: **THE NOCO COMPANY**, Glenwillow, OH (US)

(72) Inventors: **Jonathan Lewis Nook**, Gates Mills, OH (US); **William Knight Nook, Sr.**, Shaker Heights, OH (US); **James Richard Stanfield**, Peoria, AZ (US); **Derek Michael Underhill**, Tempe, AZ (US)

(73) Assignee: **THE NOCO COMPANY**, Glenwillow, OH (US)

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

(21) Appl. No.: **29/496,702**

(22) Filed: **Jul. 16, 2014**

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

(52) **U.S. Cl.**  
USPC ..... **D13/120**

(58) **Field of Classification Search**  
USPC ..... D13/102-110, 118-119, 184, 199, 133, D13/144; D14/251, 253, 432, 434, 356, D14/155; 439/300, 620.01, 638, 668-669, 439/675, 825; 320/107-115  
CPC ..... Y02E 60/12; Y02E 60/10; Y02E 60/122; Y02E 60/124; Y02E 60/50; Y02T 90/14; Y02T 90/122; Y02T 90/128; Y02T 90/163; H02J 7/025; H02J 7/0042; H02J 7/0044; H02J 7/0045; H02J 7/0003; H01F 38/14; H01R 13/6675; H01R 4/28; H01R 4/48; H01R 4/4854; H01R 4/4863; H01R 4/4872; H01R 4/50; H01M 2/1022; H01M 2/1055; H01M 10/44; H01M 10/46; H01M 10/425; B60L 11/182

See application file for complete search history.

(56) **References Cited**

U.S. PATENT DOCUMENTS

6,386,907	B1 *	5/2002	Ruffa	.....	439/504
6,632,103	B1 *	10/2003	Liu	.....	439/504
D597,029	S *	7/2009	Li	.....	D13/120
D625,265	S *	10/2010	DuMelle et al.	.....	D13/120
D649,116	S *	11/2011	Nakatsuka	.....	D13/120
D689,020	S *	9/2013	Demirjian et al.	.....	D13/120
D726,109	S *	4/2015	Nook et al.	.....	D13/120
D726,114	S *	4/2015	Nook et al.	.....	D13/133
D726,121	S *	4/2015	Nook et al.	.....	D13/148
D735,665	S *	8/2015	Nook et al.	.....	D13/120
2007/0285049	A1 *	12/2007	Krieger et al.	.....	320/105

\* cited by examiner

*Primary Examiner* — Rosemary K Tarcza

*Assistant Examiner* — Sanjeev Paul

(74) *Attorney, Agent, or Firm* — Vorys, Sater, Seymour and Pease LLP; William L. Klima

(57) **CLAIM**

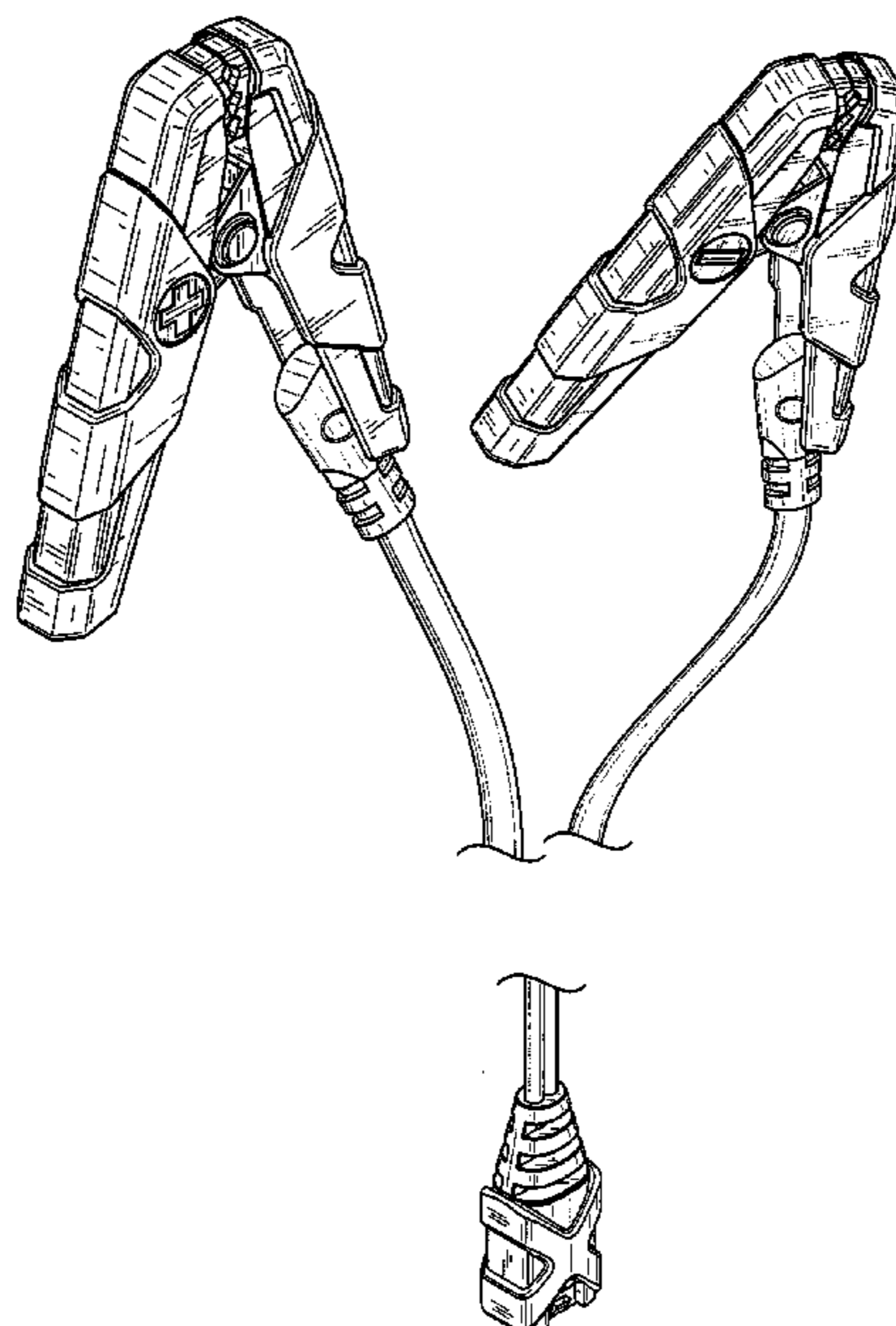
The ornamental design for a electrical connector, as shown and described.

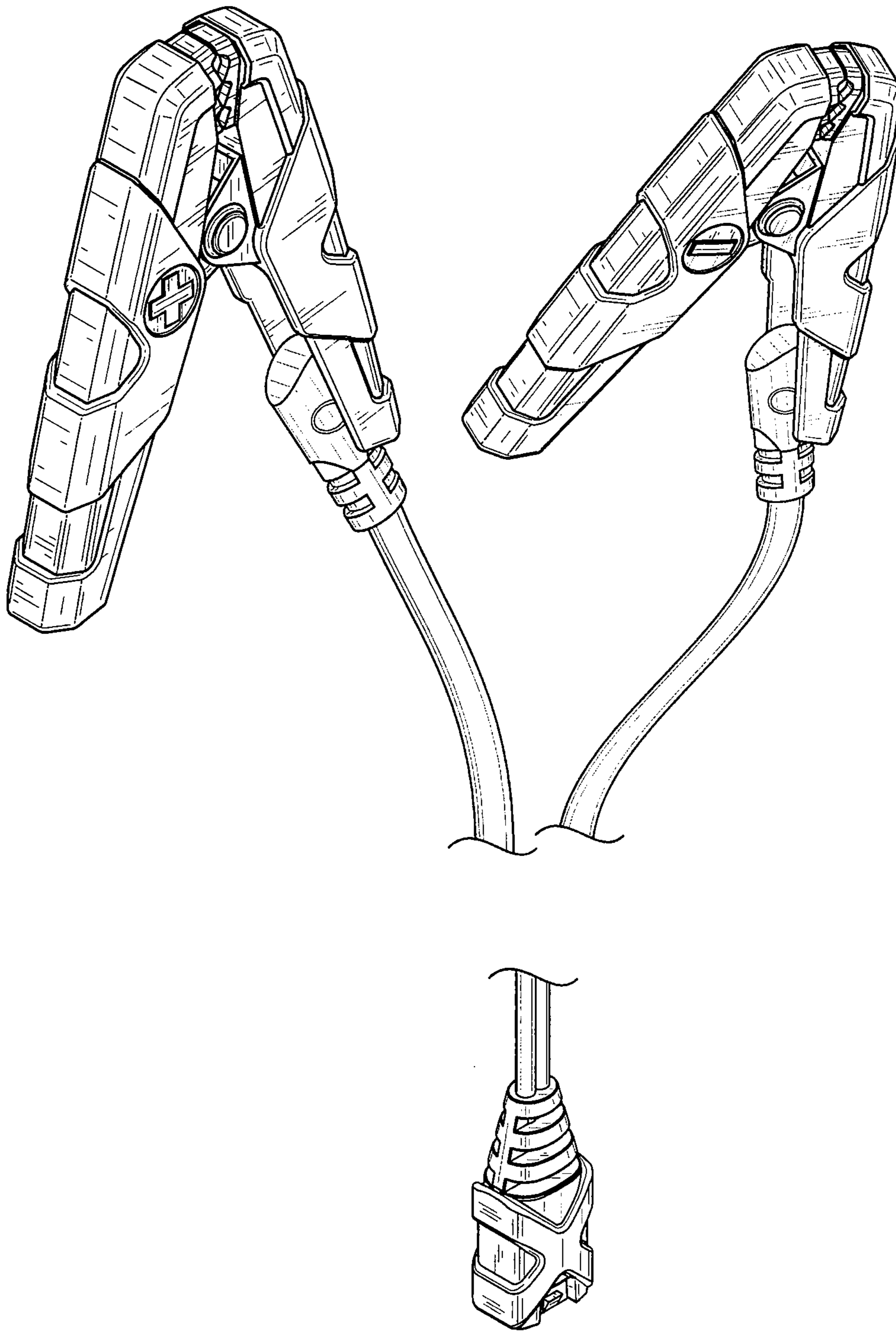
**DESCRIPTION**

FIG. 1 is a perspective view for a electrical connector; FIG. 2 is a top planar view thereof; and FIG. 3 is a bottom planar view thereof. FIG. 4 is a left-side elevational view thereof; FIG. 5 is a right-side elevational view thereof; FIG. 6 is an end elevational view thereof; and, FIG. 7 is an opposite end elevational view thereof.

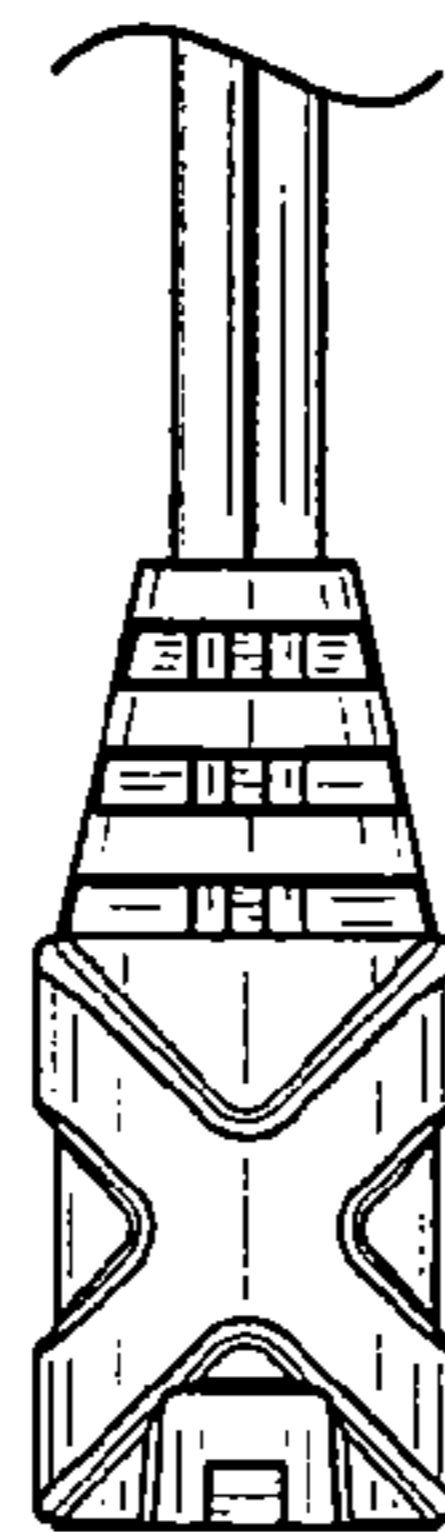
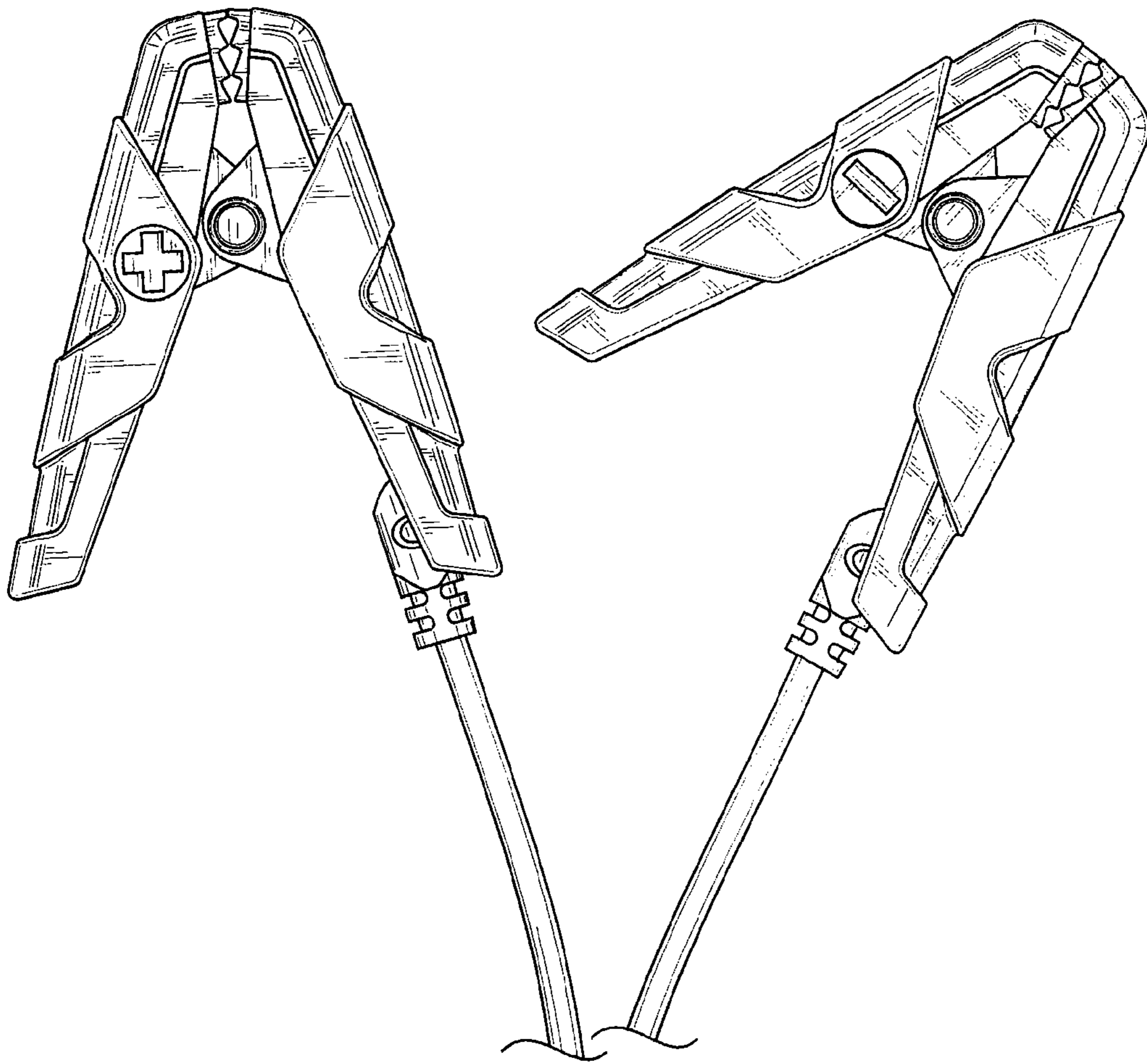
The electrical connector is shown with a symbolic break in its length. The appearance of any portion of the article between the break lines forms no part of the claimed design.

**1 Claim, 6 Drawing Sheets**



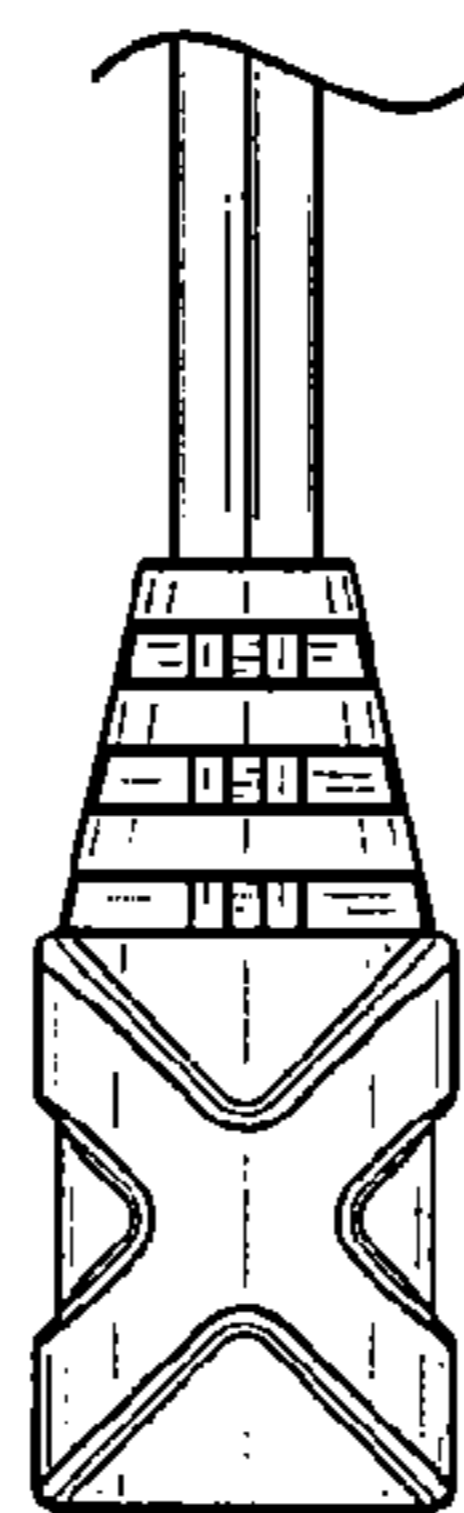
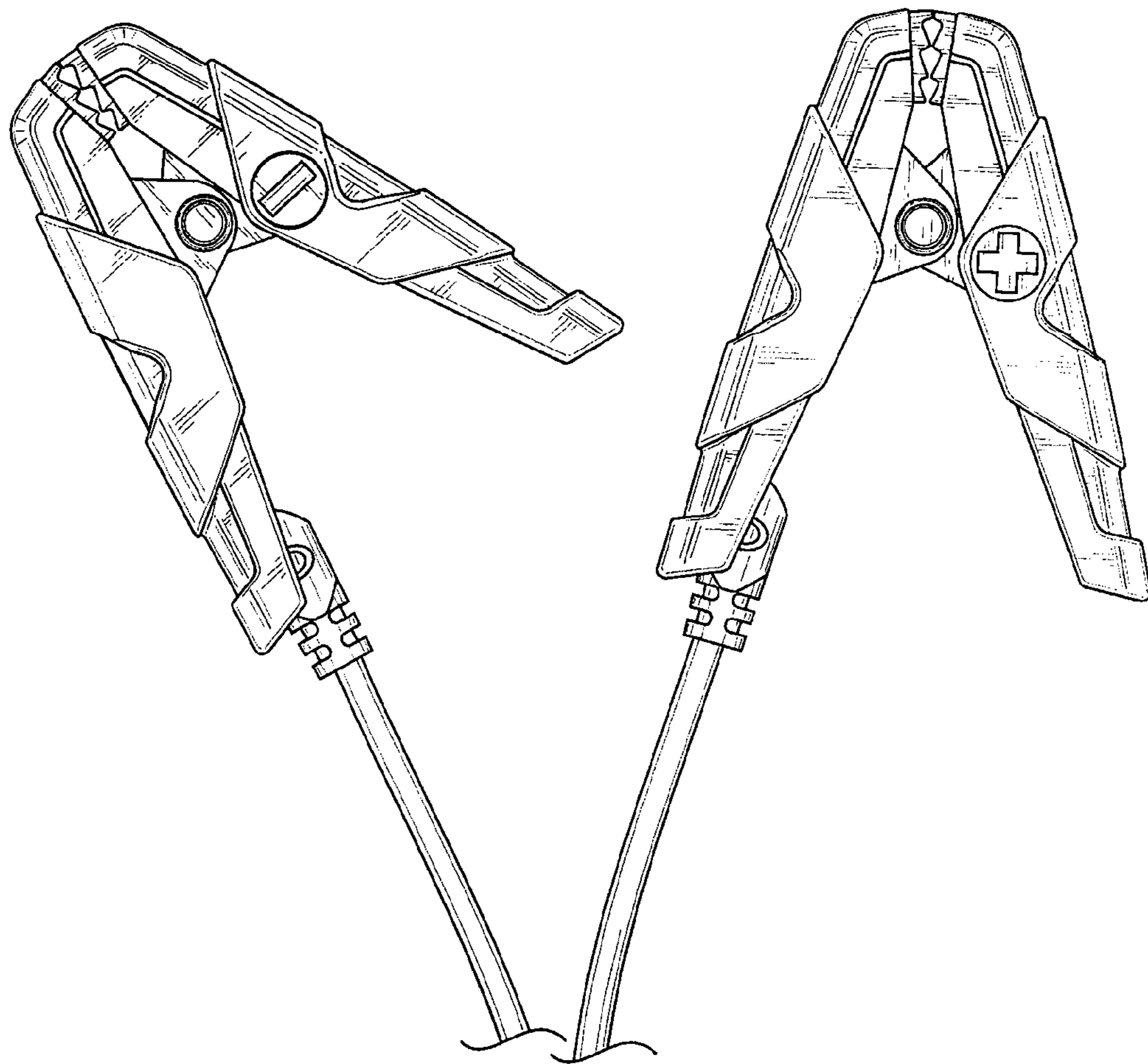


**FIG. 1**

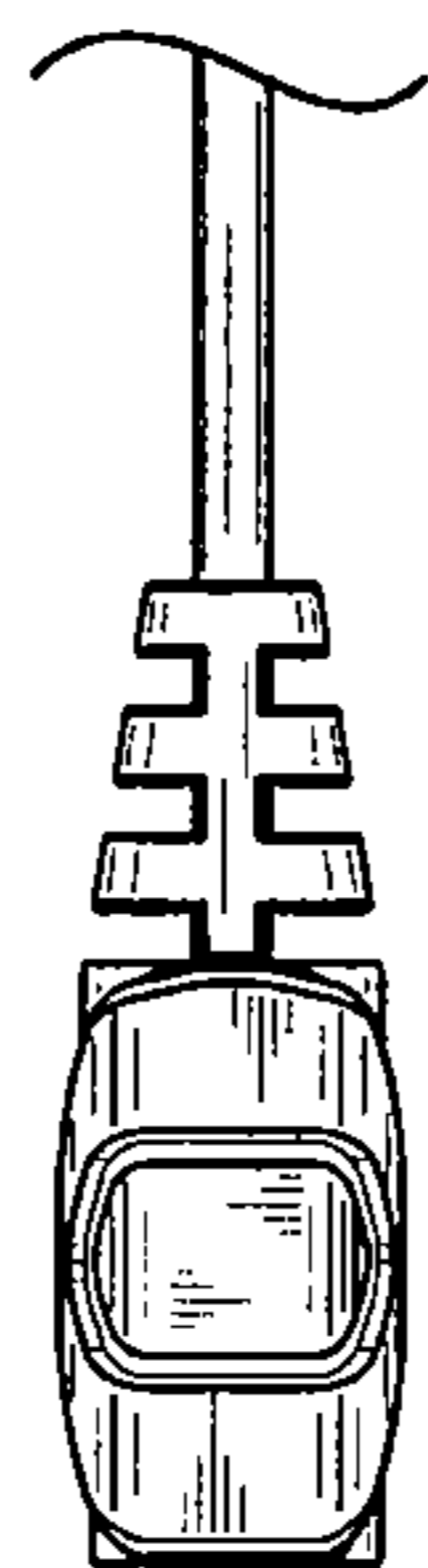
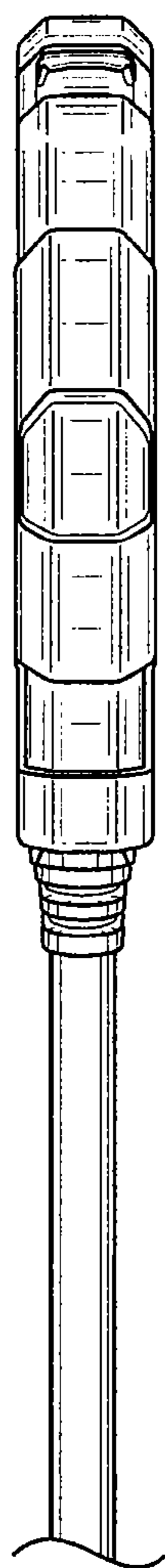


**FIG. 2**

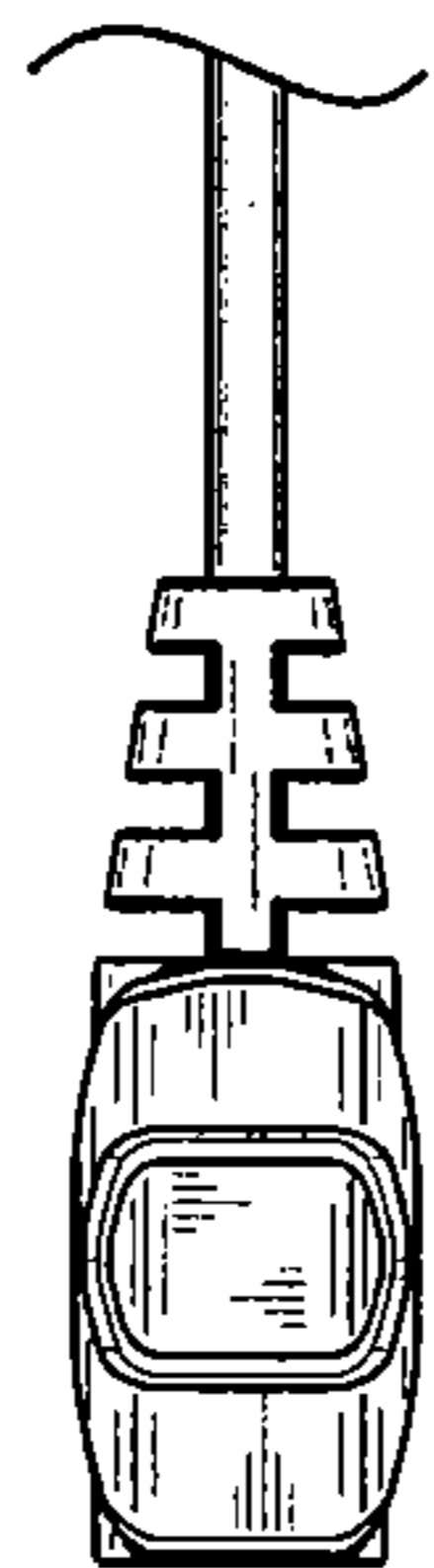
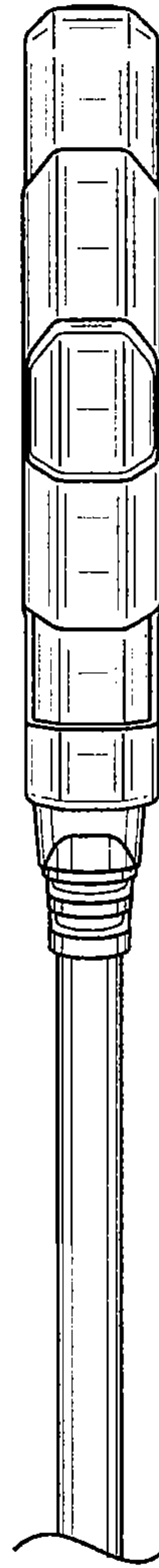




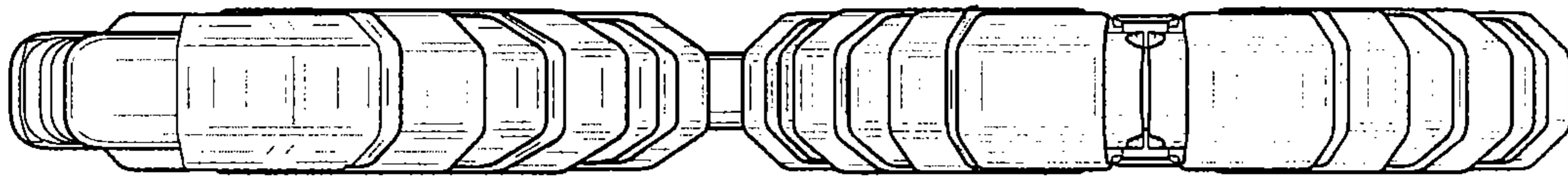
**FIG. 3**



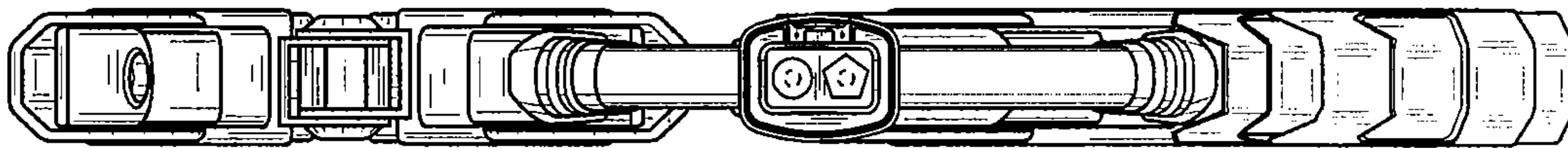
**FIG. 4**



**FIG. 5**



**FIG. 6**



**FIG. 7**