



(12) **United States Design Patent**  
**Somanathapura Ramanna et al.**

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(54) **CONNECTOR HOUSING**  
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D271,196 S \* 11/1983 Tetreault ..... D13/133  
D318,718 S \* 7/1991 Blatt ..... D13/133  
D323,154 S \* 1/1992 Ohkura ..... H01R 13/53  
D13/147  
D326,643 S \* 6/1992 Ohkura ..... H01R 13/502  
D13/147

(Continued)

**FOREIGN PATENT DOCUMENTS**

TW D190117 5/2018

**OTHER PUBLICATIONS**

Figure 8 connector, Jan. 27, 2016, [online], Available from Internet URL: <<https://buy.wesco.com/Grounding-Bonding-Cable-Cable-Rod-Taps/BURNDY/Compression-Ground-Figure-8/YGHR29C34/p/78181022075-1>> (Year: 2016).\*

(Continued)

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(57) **CLAIM**

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

**DESCRIPTION**

FIG. 1 is a front perspective view of a connector housing showing our new design;  
FIG. 2 is a front view thereof;  
FIG. 3 is a rear view thereof;  
FIG. 4 is a bottom view thereof;  
FIG. 5 is a top view thereof;  
FIG. 6 is a left side view thereof; and,  
FIG. 7 is a right side view thereof.  
The broken lines immediately adjacent to the shaded areas represent the bounds of the claimed design and form no part thereof. The broken lines depicting the remainder of the connector housing show features that form no part of the claimed design.

**1 Claim, 7 Drawing Sheets**

(73) Assignee: **Molex, LLC**, Lisle, IL (US)

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

(21) Appl. No.: **29/681,977**

(22) Filed: **Feb. 28, 2019**

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

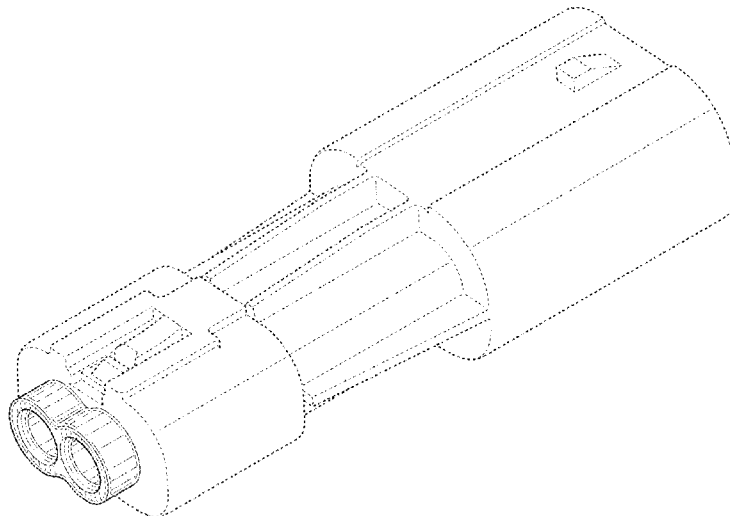
(52) **U.S. Cl.**  
USPC ..... **D13/133**

(58) **Field of Classification Search**  
USPC ..... D3/203.1-3, 209; D11/101; D13/118,  
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CPC ..... H01R 12/88; H01R 12/29; H01R 13/24;  
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See application file for complete search history.

(56) **References Cited**

**U.S. PATENT DOCUMENTS**

4,093,332 A \* 6/1978 Simko ..... H01R 24/84  
439/293  
D253,409 S \* 11/1979 Voelkert ..... H01R 13/432  
D13/133  
4,311,355 A \* 1/1982 Plyler ..... H01R 13/5221  
439/274



(56)

References Cited

U.S. PATENT DOCUMENTS

D327,260 S 6/1992 Davis et al.  
D336,283 S \* 6/1993 Ohkura ..... D13/147  
5,503,568 A 4/1996 Pryce  
5,618,198 A 4/1997 Sato et al.  
6,116,938 A 9/2000 Myer et al.  
D440,938 S \* 4/2001 Goto ..... D13/133  
6,355,884 B1 \* 3/2002 Gretz ..... H01R 13/745  
174/659  
D472,524 S 4/2003 Yamawaki et al.  
D474,447 S \* 5/2003 Kano ..... D13/133  
6,851,960 B2 \* 2/2005 Bain ..... H01R 27/00  
439/172  
D546,763 S \* 7/2007 Kovacs ..... D13/134  
D546,764 S \* 7/2007 Ciancanelli ..... D13/134  
D546,765 S \* 7/2007 Ciancanelli ..... D13/136  
D561,101 S \* 2/2008 Sakamoto ..... D13/133  
D564,963 S \* 3/2008 Sakamoto ..... D13/133  
7,371,084 B2 \* 5/2008 Xue ..... H01R 13/652  
439/108  
D596,125 S 7/2009 Norin et al.  
RE42,230 E \* 3/2011 Norin ..... D13/133  
8,011,975 B1 \* 9/2011 Kim ..... H01R 31/065  
439/680  
8,257,111 B1 9/2012 Smutny et al.  
D726,114 S 4/2015 Nook et al.  
D746,233 S \* 12/2015 Lyons ..... H01R 31/02  
D13/137.2  
D822,610 S 7/2018 Ramakrishna Gowda et al.  
D826,549 S \* 8/2018 Lospinoso ..... D3/203.1

D848,373 S \* 5/2019 Ramakrishna Gowda .. D13/146  
D848,953 S 5/2019 Gregori  
10,476,189 B2 11/2019 Tsubaki  
D873,774 S 1/2020 Cao  
10,615,537 B2 4/2020 Shi et al.  
D906,249 S \* 12/2020 Hasan ..... D13/137.1  
2009/0081905 A1 \* 3/2009 Chen ..... H01R 13/05  
439/660  
2012/0322312 A1 \* 12/2012 Tsai ..... H01R 31/06  
439/628  
2014/0073200 A1 \* 3/2014 Chou ..... H01R 13/502  
439/692  
2015/0364858 A1 \* 12/2015 Koszeghy ..... H01R 13/53  
439/660  
2016/0043499 A1 \* 2/2016 Hashimoto ..... H01R 13/432  
439/587

OTHER PUBLICATIONS

New England Tubing Technologies, Paratubing, Oct. 23, 2018, online product page, retrieved May 11, 2021 from <URL:https://newenglandtubing.com/product/extruded-parallel-tubing/group01-1/> (Year: 2018).\*

Waterproof Connector, May 21, 2016, [online], [site visited Apr. 7, 2020], Available from Internet URL: <https://www.amazon.com/dp/B07QFW8X9Z/ref=psdc\_15729341\_t5\_B01A6LTK44 (Year: 2016). Water Proof Connector, Aug. 24, 2014, [online], [site visited Apr. 7, 2020], Available from Internet URL: <https://www.amazon.com/HiseNook-Waterproof-Electrical-Connector-Package/dp/B00MZVYB3O> (Year: 2014).

\* cited by examiner

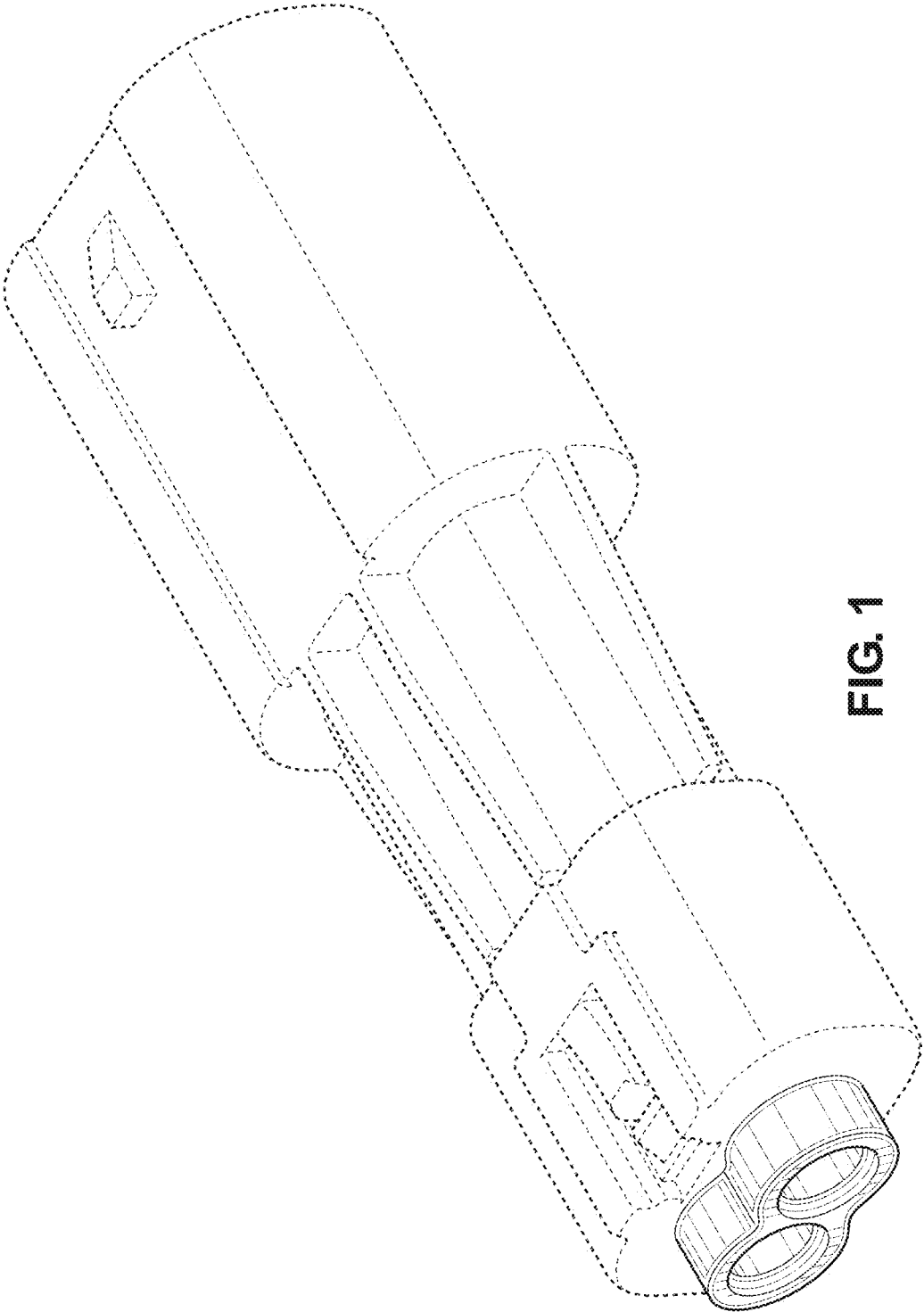


FIG. 1

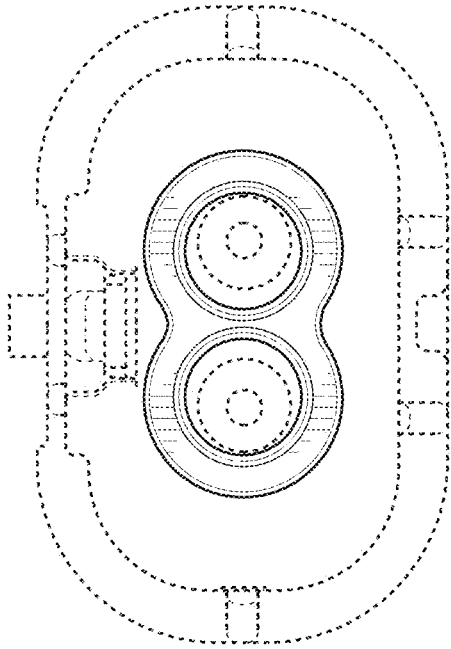


FIG. 2

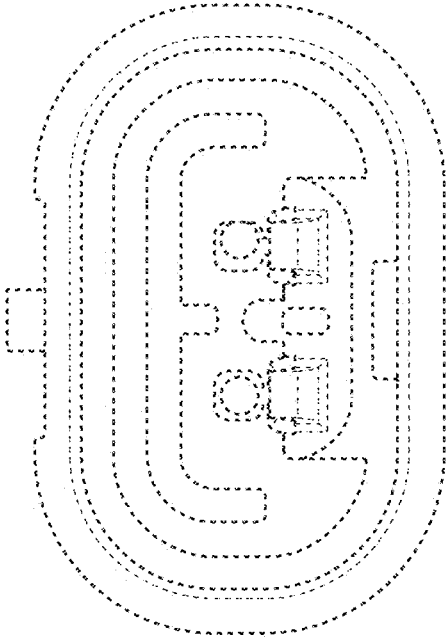


FIG. 3

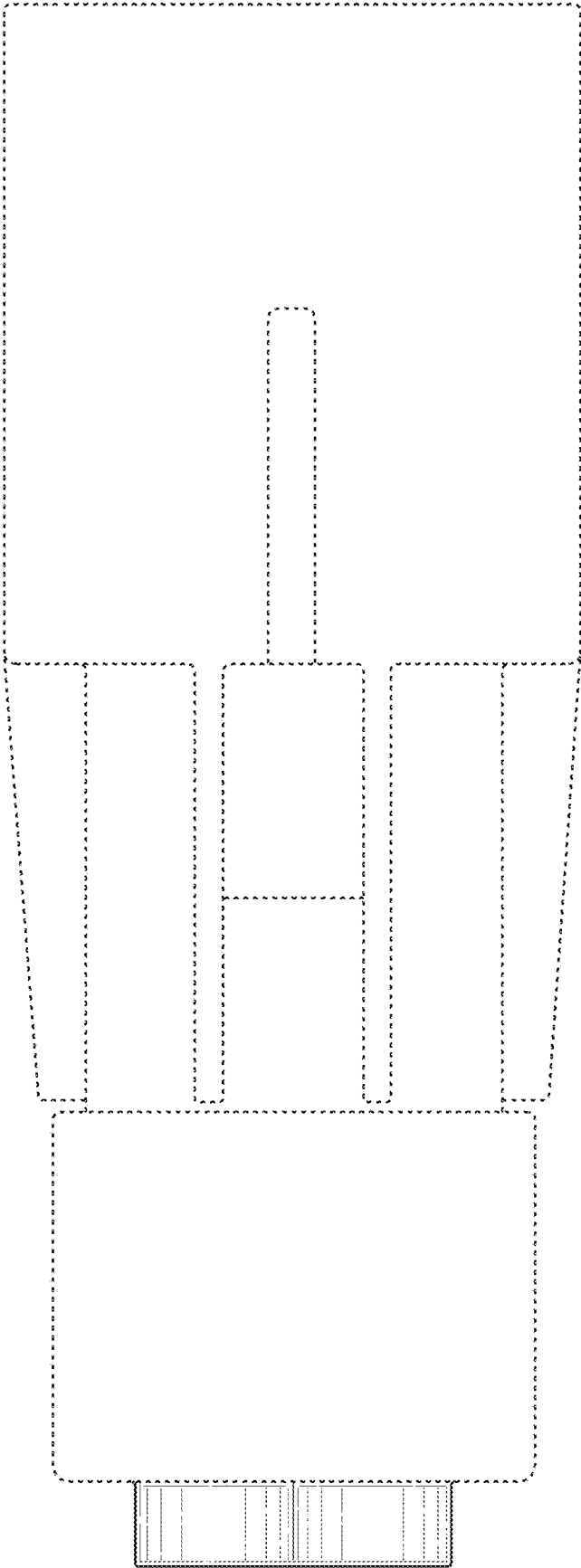


FIG. 4

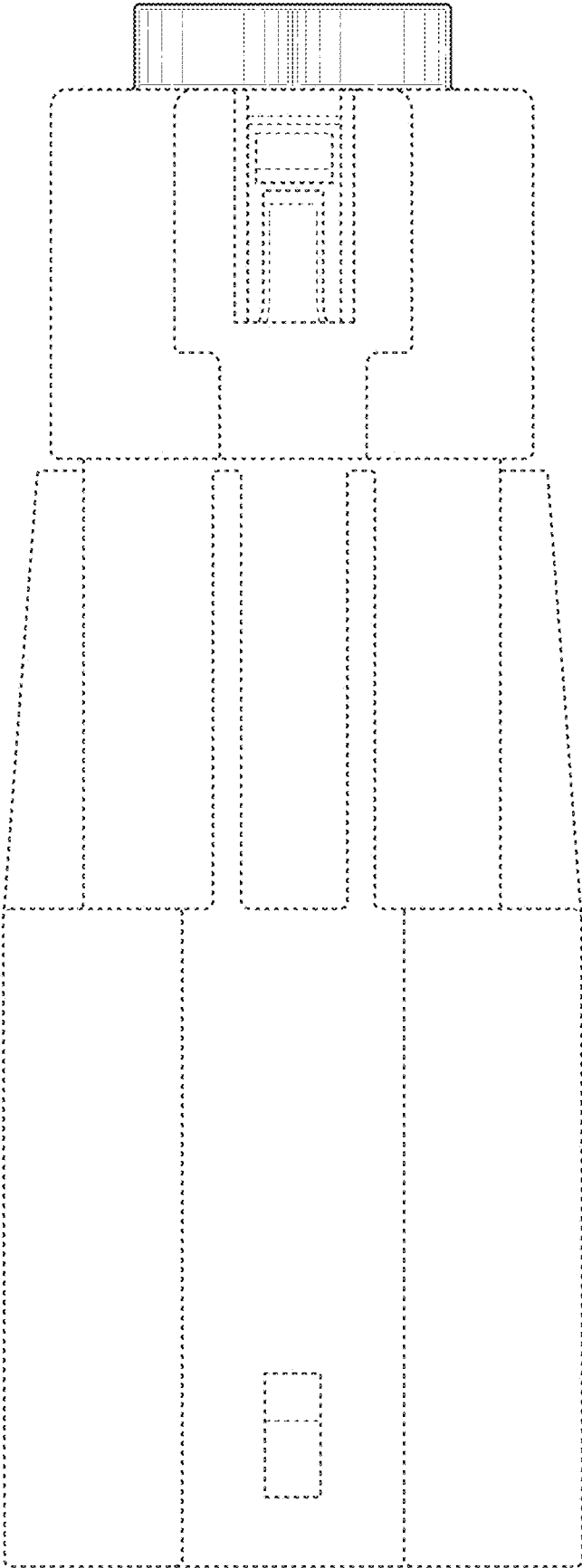


FIG. 5

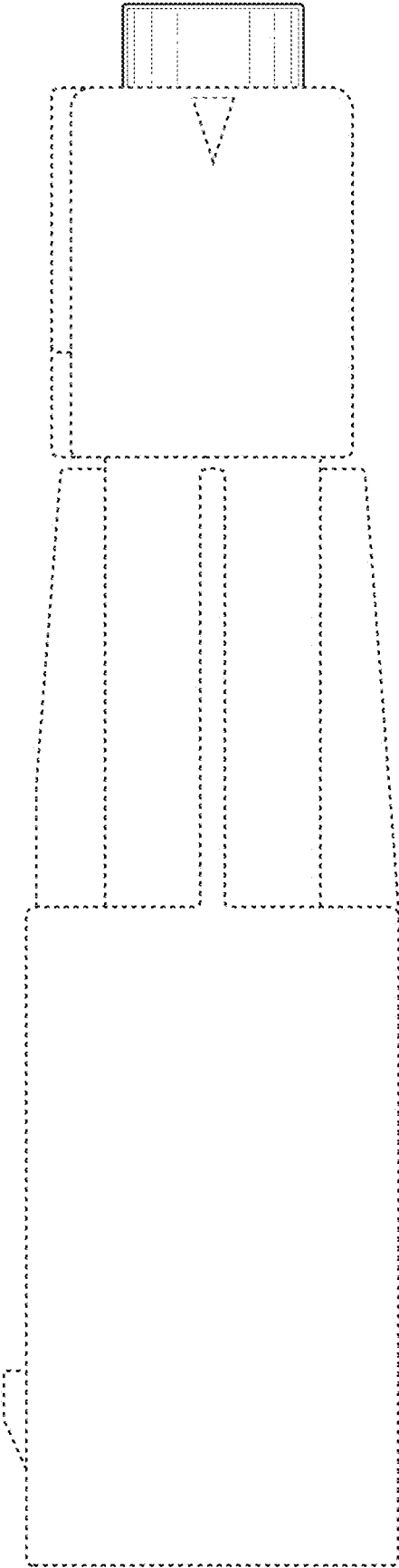


FIG. 6



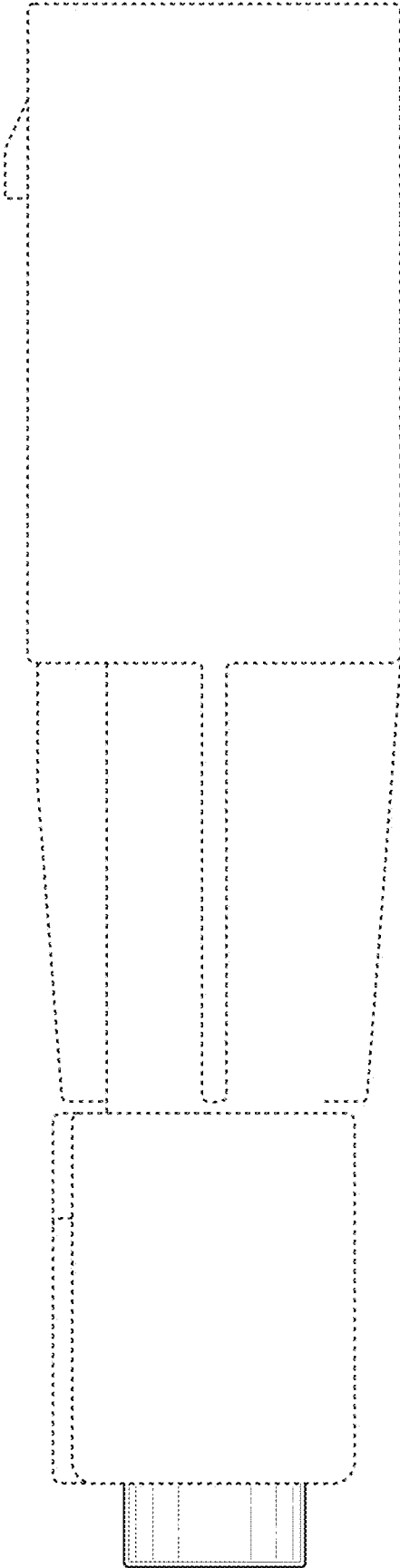


FIG. 7