US00D859320S

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

(10) **Patent No.: US D859,320 S**
(45) **Date of Patent: ** Sep. 10, 2019**

(54) **MATING SECTION OF MALE ELECTRICAL CONNECTOR**

(71) Applicant: **DSM&T Company, Inc.**, Fontana, CA (US)

(72) Inventor: **Sergio Corona**, Upland, CA (US)

(73) Assignee: **DSM&T Company, Inc.**, Fontana, CA (US)

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

(21) Appl. No.: **29/638,144**

(22) Filed: **Feb. 24, 2018**

(51) **LOC (12) Cl.** **13-03**

(52) **U.S. Cl.**
USPC **D13/151**

(58) **Field of Classification Search**
USPC D13/118, 123, 133, 146, 147, 149, 151, D13/154, 155, 173, 184, 199; D24/129
CPC H01R 4/66; H01R 9/05; H01R 13/502; H01R 13/52; H01R 13/59; H01R 13/625; H01R 13/648; H01R 13/652; H01R 13/658; H01R 13/74; H01R 13/743
See application file for complete search history.

(56) **References Cited**

U.S. PATENT DOCUMENTS

D86,515	S	3/1932	Cox	
2,046,221	A	6/1936	Thomas	
2,633,482	A *	3/1953	De Tar	H01R 13/62 439/316
D188,419	S	7/1960	Danesi	
3,008,116	A	11/1961	Blanchenot	
3,560,908	A	2/1971	Dell et al.	
4,258,970	A	3/1981	Bourdon et al.	
4,606,596	A	8/1986	Whiting et al.	
D286,397	S	10/1986	Challans	
4,704,091	A	11/1987	Owens et al.	
D328,281	S	7/1992	Nociar	
D329,840	S	9/1992	Nociar	
5,201,669	A	4/1993	Lin	
D336,070	S	6/1993	Clark	
D344,490	S	2/1994	Nociar	
5,285,163	A	2/1994	Liotta	

(Continued)

OTHER PUBLICATIONS

Jameco Challenge: Male and Female Connectors, dated Mar. 9, 2012, [online], [site visited Nov. 16, 2018]. Available from Internet, <URL: https://www.jameco.com/Jameco/workshop/challenge/maleorfemale.html> (Year: 2012).*

(Continued)

Primary Examiner — Angela J Lee
Assistant Examiner — Shawn T Gingrich
(74) *Attorney, Agent, or Firm* — Keusey & Associates, P.C.

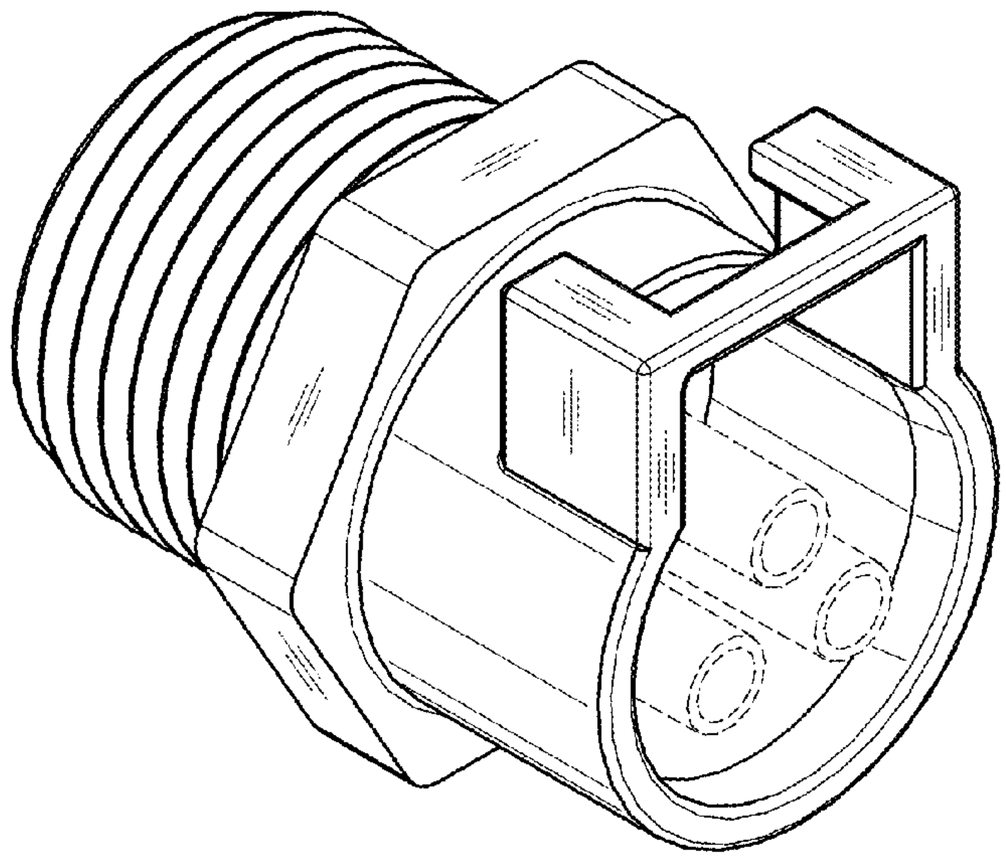
(57) **CLAIM**

The ornamental design for a mating section of male electrical connector, as shown and described.

DESCRIPTION

FIG. **1** is a top, front, left side perspective view of my new design of a mating section of male electrical connector.
FIG. **2** is a front side 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 elevational view thereof.
FIG. **6** is a right side elevational view thereof; and,
FIG. **7** is a rear side elevational view thereof.
The broken lines in FIGS. **1**, **2**, **3** and **7** represent environment only, and form no part of the claimed design. The unshaded circular surface in the central part of FIG. **7** forms no part of the claimed design.

1 Claim, 3 Drawing Sheets



(56) **References Cited**

U.S. PATENT DOCUMENTS

5,401,181	A		3/1995	Wilson
D360,187	S		7/1995	Starec et al.
D360,871	S		8/1995	Wilson
D360,872	S		8/1995	Wilson
5,460,545	A		10/1995	Siemon et al.
D366,646	S		1/1996	Carr
D367,644	S		3/1996	Fukao et al.
D371,112	S		6/1996	Anthony
5,641,310	A		6/1997	Tiberio, Jr.
D393,831	S		4/1998	Siemon et al.
D416,230	S		11/1999	Narumo et al.
D425,028	S		5/2000	Lee
D434,377	S		11/2000	Bussett et al.
D437,828	S		2/2001	Corona
D439,221	S		3/2001	Corona
D444,128	S		6/2001	Tan et al.
D445,763	S		7/2001	Corona
D446,186	S		8/2001	Corona
D454,115	S		3/2002	Zemba
6,379,169	B1		4/2002	Corona
6,383,003	B1		5/2002	Corona
D472,523	S		4/2003	Hansen
D473,844	S		4/2003	Bender et al.
D502,919	S		3/2005	Studnicky
D503,150	S		3/2005	Yamawaki et al.
D513,405	S	*	1/2006	Rohr D13/133
D514,070	S		1/2006	Bachmann
D516,028	S		2/2006	Deng
D521,933	S		5/2006	Wade et al.
D524,736	S		7/2006	Morita et al.
D524,737	S		7/2006	Lai et al.
D529,441	S		10/2006	LaPere
D529,865	S		10/2006	LaPere
D533,502	S		12/2006	Wakefield et al.
D535,618	S		1/2007	Hu et al.
D555,594	S		11/2007	So
7,300,318	B2		11/2007	Deja
D559,785	S		1/2008	Tosetti
D560,168	S		1/2008	McCoy
D560,610	S		1/2008	McCoy
D569,955	S		5/2008	Chen
D571,727	S		6/2008	Yang et al.
7,390,210	B2		6/2008	Corona
D573,536	S		7/2008	Hariharesan et al.
7,395,166	B2		7/2008	Plishner
D577,671	S		9/2008	Schnitzler
D586,750	S		2/2009	Li
D596,125	S		7/2009	Morin et al.
D601,090	S		9/2009	Vigorito et al.
D604,697	S		11/2009	Sogo et al.
D605,599	S		12/2009	Wong
D606,944	S		12/2009	Mehnert et al.
D611,904	S		3/2010	Mehnert et al.
D613,246	S		4/2010	Muecke et al.
D615,042	S		5/2010	Morgan et al.
D615,496	S		5/2010	Mennekes
7,722,397	B2		5/2010	Schleith
D616,821	S		6/2010	The
7,785,123	B2		8/2010	Corona
D626,506	S		11/2010	Giefers et al.
RE42,230	E		3/2011	Norin et al.
D635,520	S	*	4/2011	Kiely D13/133
D637,159	S		5/2011	Hu
D639,243	S		6/2011	Gharib et al.
D639,250	S		6/2011	Svelnis et al.
D639,743	S		6/2011	Smith et al.
D643,815	S		8/2011	Mark et al.
D651,171	S		12/2011	Yamauchi et al.
D651,172	S		12/2011	Yamauchi et al.
D670,650	S		11/2012	Ebihara
D673,118	S		12/2012	Giefers et al.
D677,629	S		3/2013	Corona
D678,200	S		3/2013	Corona
D678,201	S		3/2013	Corona
D678,202	S		3/2013	Corona
D678,203	S		3/2013	Corona
D678,204	S		3/2013	Corona
D679,662	S		4/2013	Svelnis et al.
D682,209	S		5/2013	Henrick et al.
D682,793	S		5/2013	Igelmund
D692,829	S		11/2013	Dobler
D694,189	S		11/2013	Ledinger et al.
D697,030	S		1/2014	Ledinger et al.
D698,730	S		2/2014	Hori et al.
D703,142	S		4/2014	Hoshino et al.
D704,645	S		5/2014	Nomura et al.
D705,738	S		5/2014	Schmidt et al.
D707,179	S		6/2014	Smith
D708,142	S		7/2014	Luther et al.
D712,840	S		9/2014	Sykes et al.
D715,227	S		10/2014	Leem
D716,233	S		10/2014	Lai
D716,732	S		11/2014	Neumann
D729,169	S		5/2015	Corona
D733,655	S		7/2015	Sato et al.
D735,671	S		8/2015	Kuhnert
D737,771	S		9/2015	Hofmann
D743,893	S		11/2015	Kuribayashi
D747,271	S	*	1/2016	Endo D13/147
D748,058	S		1/2016	Corona
D753,065	S		4/2016	Corona
D753,600	S		4/2016	Svelnis
D756,929	S	*	5/2016	Harck D13/146
D762,178	S		7/2016	Liu et al.
D766,183	S		9/2016	Corona
D766,184	S		9/2016	Corona
D768,082	S		10/2016	Chuang
D770,386	S		11/2016	Corona
D770,981	S		11/2016	Corona
D771,569	S	*	11/2016	Smith D13/151
D774,465	S		12/2016	Corona
D774,466	S		12/2016	Corona
D777,106	S	*	1/2017	Katagiyama D13/133
D780,123	S		2/2017	Zetterqvist et al.
D781,787	S		3/2017	Spiel
D787,446	S		5/2017	Cockerill
9,680,268	B1	*	6/2017	Finona H01R 24/38
9,692,144	B1	*	6/2017	Hung H01R 4/2433
D793,340	S		8/2017	Wang
D797,052	S		9/2017	Moseke et al.
D801,933	S		11/2017	Sasaki
D816,040	S	*	4/2018	Corona D13/146
D837,741	S	*	1/2019	Corona D13/151
D838,247	S	*	1/2019	Corona D13/151
2002/0123275	A1		9/2002	Zhao
2003/0139094	A1		7/2003	Venditti et al.
2004/0147170	A1		7/2004	Greenwood et al.
2008/0233773	A1	*	9/2008	Meleck H01R 13/6272 439/107
2011/0003512	A1		1/2011	Bower et al.
2014/0120761	A1	*	5/2014	Chiu H01R 13/502 439/359
2014/0141634	A1	*	5/2014	Sasano H01R 13/652 439/108
2014/0302724	A1	*	10/2014	Ono H01R 13/4364 439/751
2015/0303617	A1	*	10/2015	Smith H01R 13/625 439/461
2016/0049747	A1	*	2/2016	Yu H01R 13/424 439/271

OTHER PUBLICATIONS

¾in. Male Terminal Adapter, dated Jan. 16, 2016, [online], [site visited Nov. 16, 2018]. Available from Internet, <URL: https://www.homedepot.com/p/3-4-in-Male-Terminal-Adapter-R5140104/202043511> (Year: 2016).*

* cited by examiner

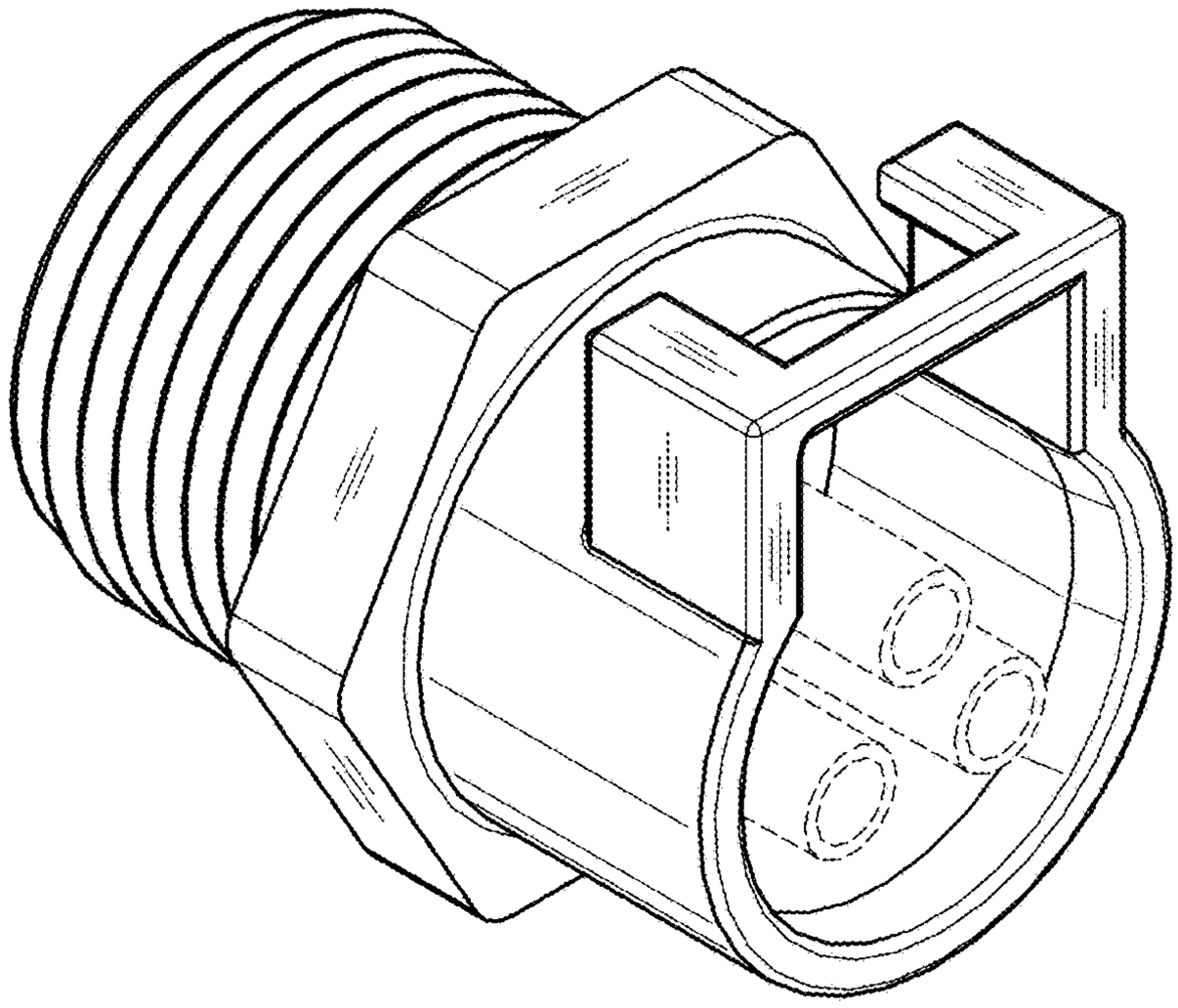


FIG. 1

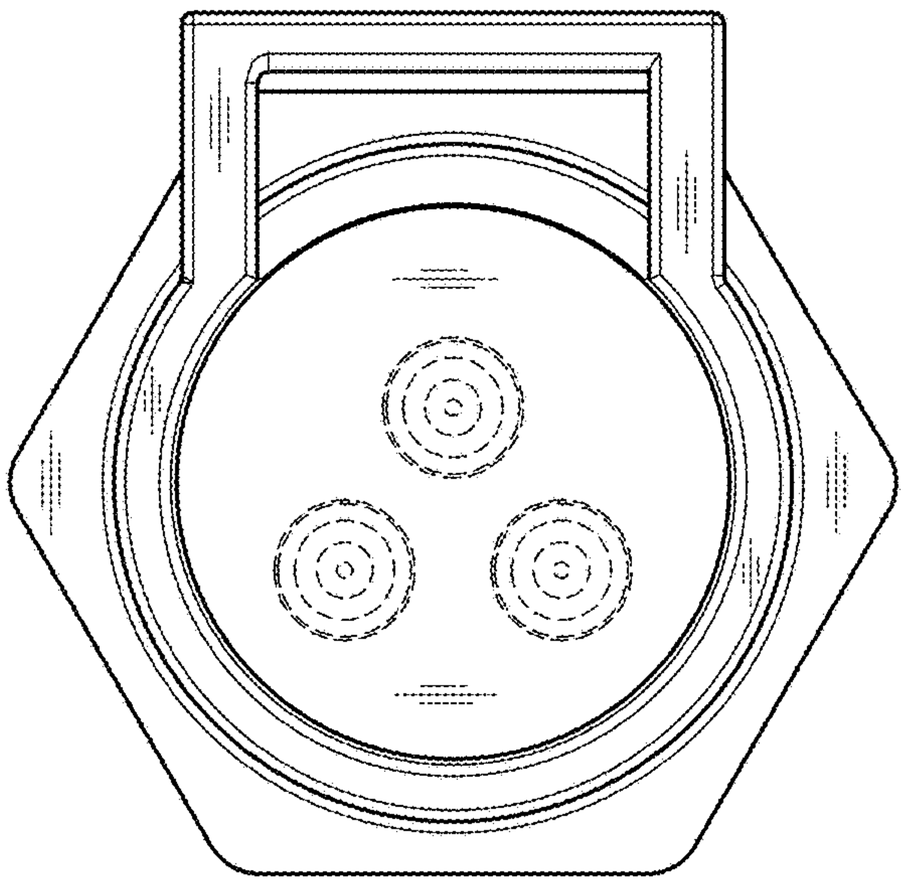


FIG. 2

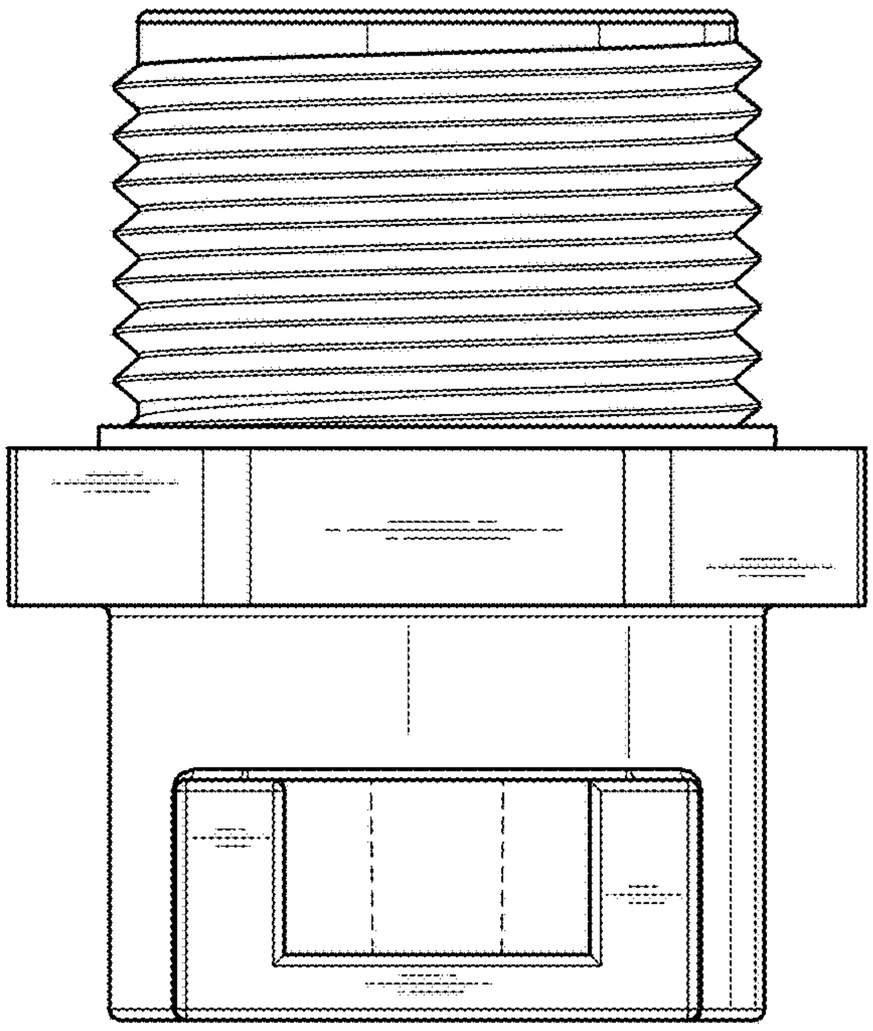


FIG. 3

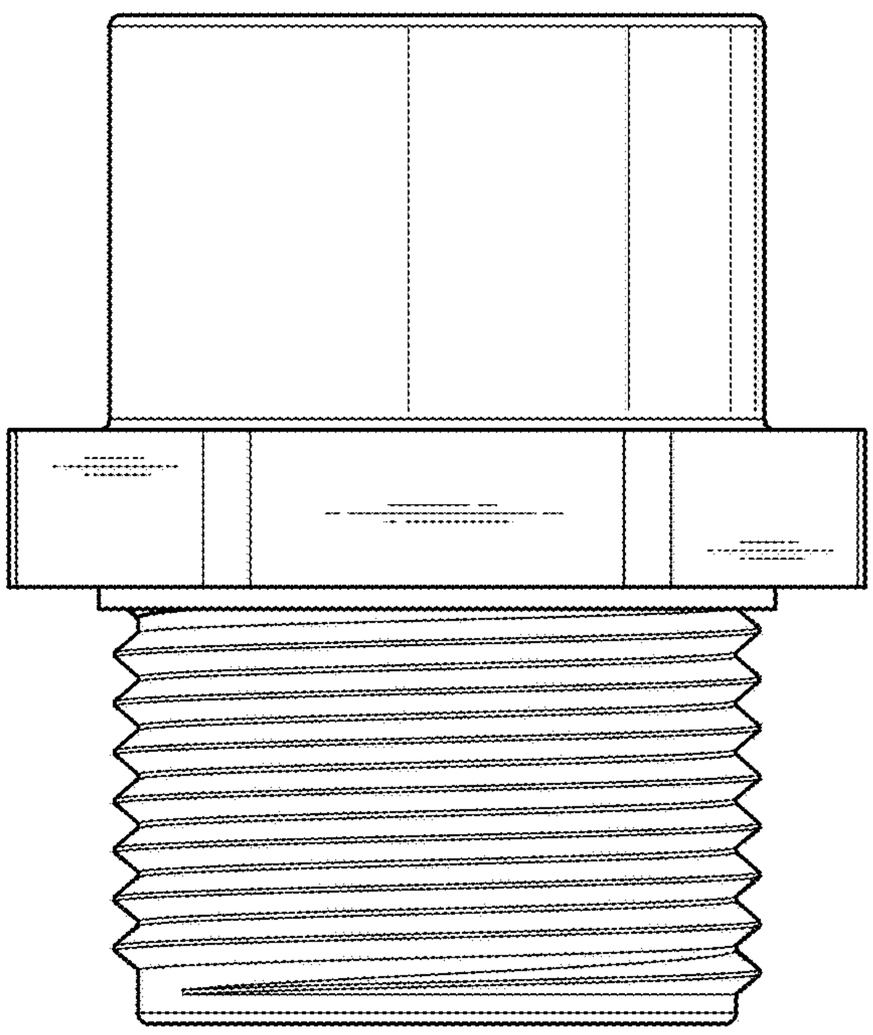


FIG. 4

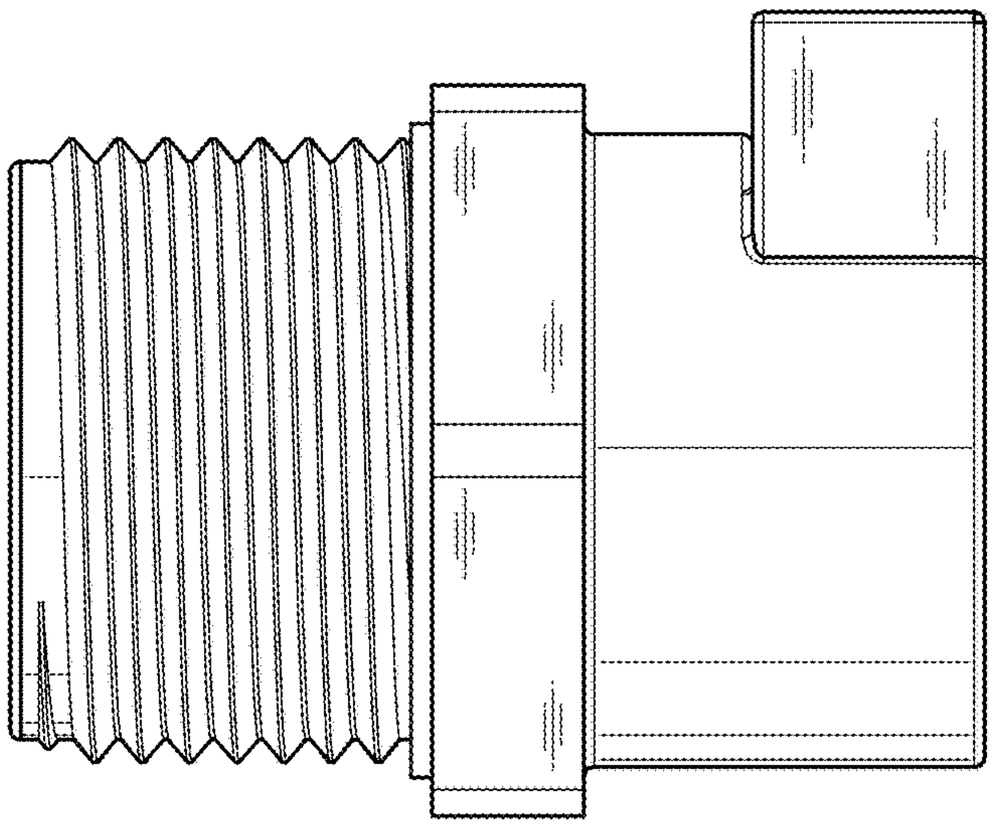


FIG. 5

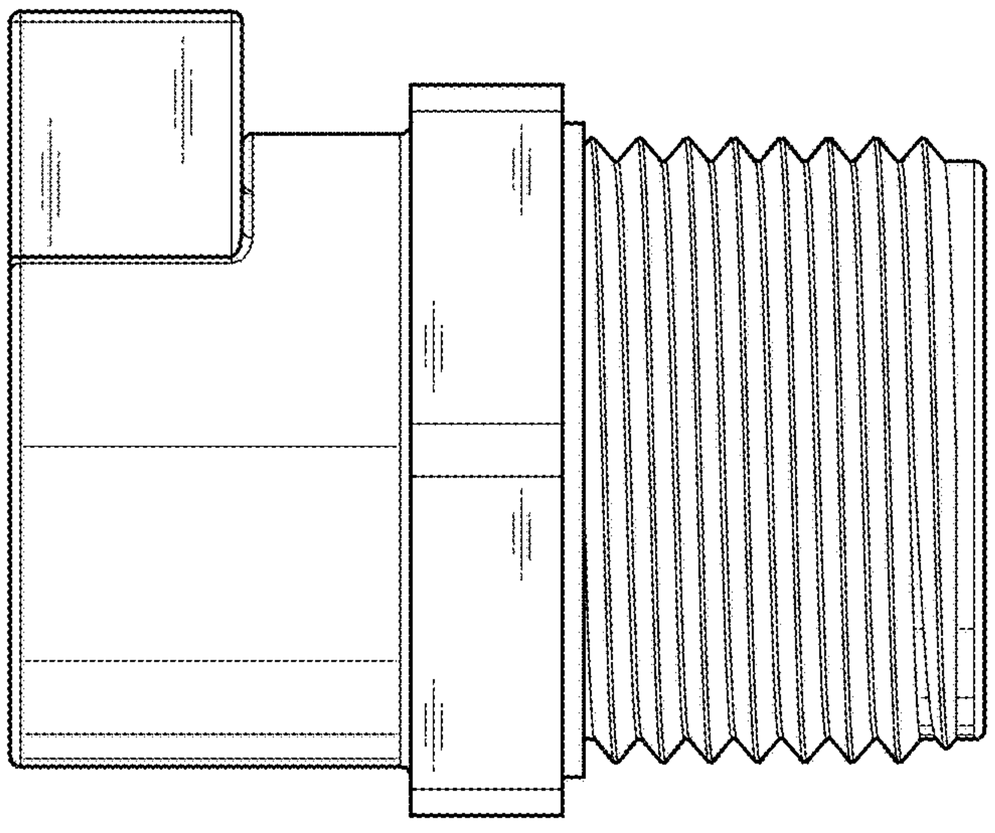


FIG. 6

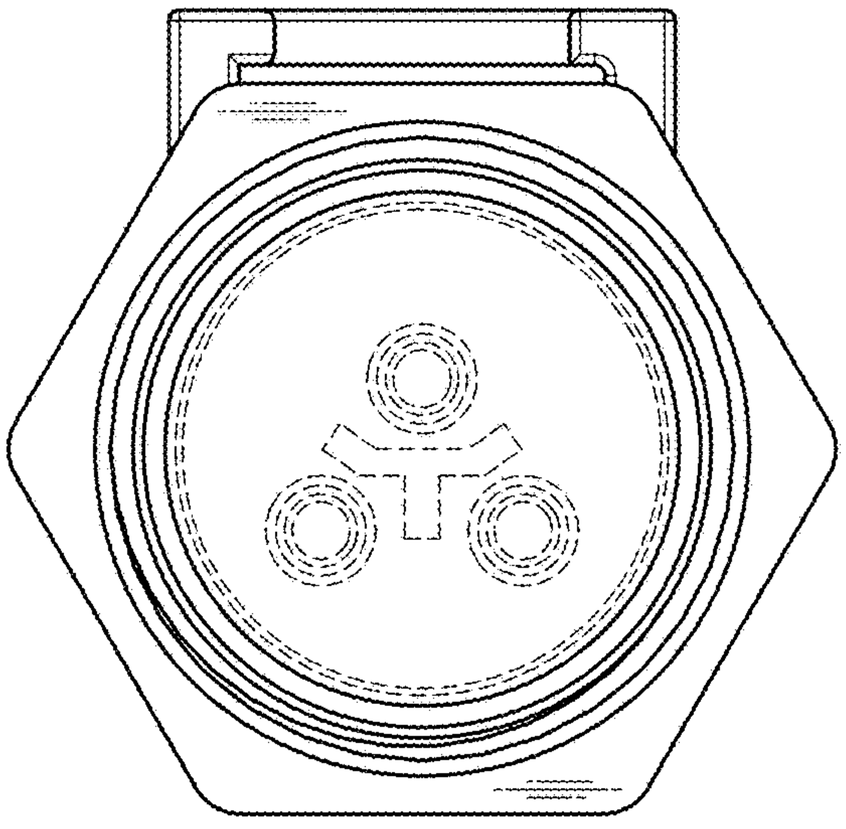


FIG. 7