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(12) United States Design Patent

Wicks

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(54) **TUBE CONNECTOR**

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(73) Assignee: **Value Plastics, Inc.**, Fort Collins, CO (US)

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

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(51) **LOC (7) Cl.** **23-01**
(52) **U.S. Cl.** **D23/259**
(58) **Field of Search** D23/259, 262; 285/305, 319, 320

(56) **References Cited**

U.S. PATENT DOCUMENTS

1,489,310	A	4/1924	Critchlow	251/149.6
2,263,293	A	11/1941	Ewald	251/149.6
2,626,974	A	1/1953	Howard et al.	439/347
2,753,195	A	7/1956	Palmer	137/614.03
2,864,628	A	12/1958	Edleson	137/614.04
2,926,934	A	3/1960	Gill	137/614.04
3,073,342	A	1/1963	Magorien	137/614.03
3,448,760	A	6/1969	Cranage	137/360
3,450,424	A	6/1969	Calisher	285/305
3,538,940	A	11/1970	Graham	137/271
3,550,626	A	12/1970	Daniels et al.	137/614.03
3,574,314	A	4/1971	Quercia	141/349
4,287,644	A	9/1981	Durand	24/16 PB
4,393,548	A	7/1983	Herb	24/16 PB
4,436,125	A	3/1984	Blenkush	141/330
4,458,719	A	7/1984	Strybel	137/614.03
4,541,457	A	9/1985	Blenkush	137/614.06
4,613,112	A	9/1986	Phlipot et al.	251/149.6
4,694,544	A	9/1987	Chapman	24/625
4,706,847	A	11/1987	Sankey et al.	222/1
4,776,067	A	10/1988	Sorensen	24/16 PB
4,792,115	A	12/1988	Jindra et al.	251/149.6
4,863,201	A	9/1989	Carstens	285/317
4,896,402	A	1/1990	Jansen et al.	24/20 R
4,935,992	A	6/1990	Due	24/16 R
4,991,880	A *	2/1991	Bernart	285/321
5,033,777	A	7/1991	Blenkush	285/317
5,052,725	A	10/1991	Meyer et al.	285/308
5,104,158	A	4/1992	Meyer et al.	285/308
5,232,020	A	8/1993	Mason et al.	137/614.04
5,385,331	A	1/1995	Allread et al.	251/149.1
5,628,726	A	5/1997	Cotter	604/4
5,709,244	A	1/1998	Patriquin et al.	137/614.04
5,745,957	A	5/1998	Khokhar et al.	24/16 PB
5,845,943	A	12/1998	Ramacier, Jr. et al.	285/12
5,911,404	A	6/1999	Cheng	251/149.6
5,930,424	A	7/1999	Heimberger et al.	385/53
D419,861	S	2/2000	Khokhar	D8/396
6,024,124	A	2/2000	Braun et al.	137/614.03

(Continued)

OTHER PUBLICATIONS

Brochure, "Precision Components", Value Plastics, Inc., 2002.

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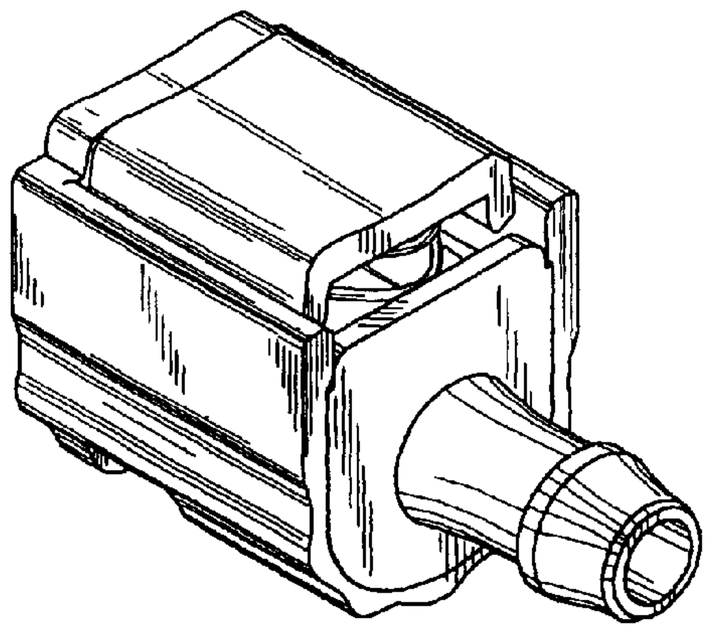
(57) **CLAIM**

What is claimed is the ornamental design for a tube connector, as shown.

DESCRIPTION

FIG. **1** is an isometric view of a tube connector.
FIG. **2** is a right side elevation view of the tube connector of FIG. **1**.
FIG. **3** is a front elevation view of the tube connector of FIG. **1**.
FIG. **4** is a rear elevation view of the tube connector of FIG. **1**.
FIG. **5** is a left side elevation view of the tube connector of FIG. **1**.
FIG. **6** is a top plan view of the tube connector of FIG. **1**; and,
FIG. **7** is a bottom plan view of the tube connector of FIG. **1**.

1 Claim, 2 Drawing Sheets



U.S. PATENT DOCUMENTS

6,029,701	A	2/2000	Chaffardon et al.	137/614.06
6,032,691	A	3/2000	Powell et al.	137/614.04
D422,487	S	4/2000	Khokhar	D8/396
6,050,297	A	4/2000	Ostrowski et al.	137/614.04
6,076,234	A	6/2000	Khokhar et al.	24/16 PB
6,082,401	A	7/2000	Braun et al.	137/614.04
6,135,150	A	10/2000	Powell et al.	137/614.04
6,161,578	A	12/2000	Braun et al.	137/614.03
6,231,089	B1	5/2001	DeCler et al.	285/308
D444,054	S	6/2001	Bernard et al.	D8/396
6,293,596	B1 *	9/2001	Kinder	285/305
D459,206	S	6/2002	Caveney et al.	D8/396
6,540,263	B1 *	4/2003	Sausner	285/305

* cited by examiner

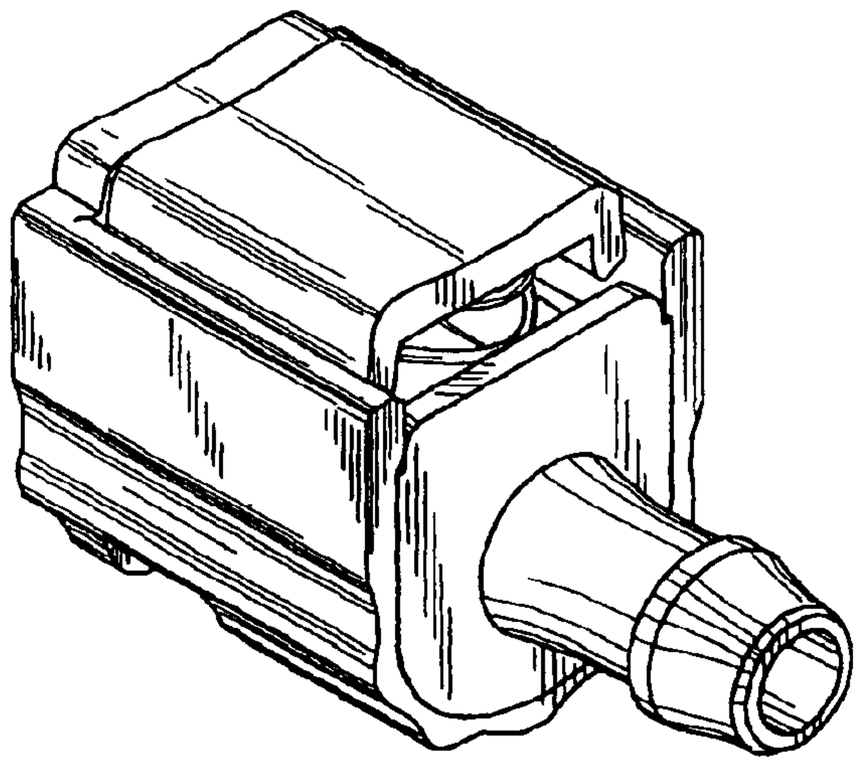


Fig. 1

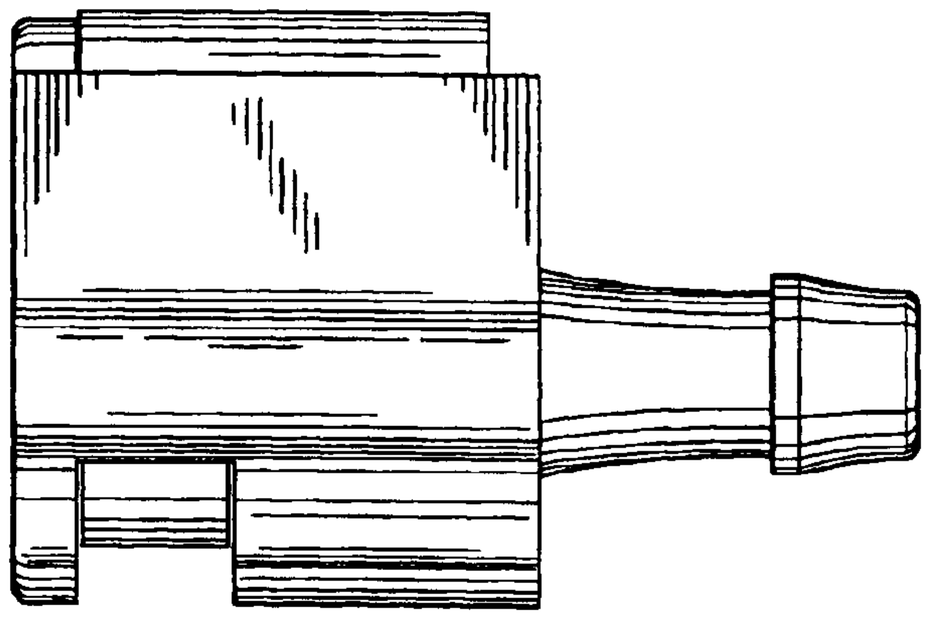


Fig. 3

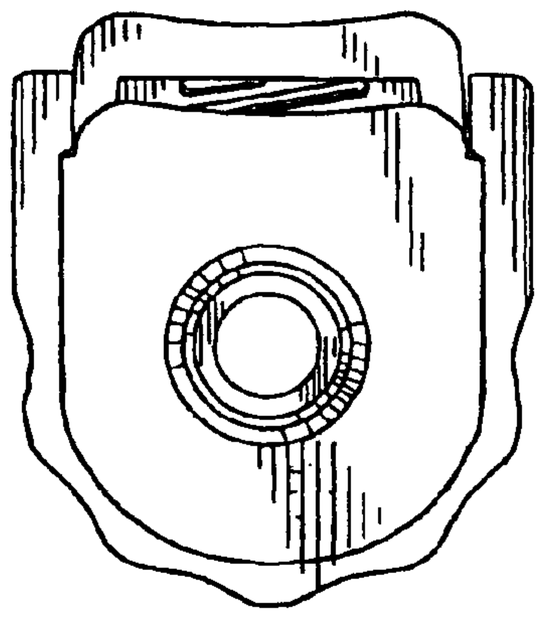


Fig. 2

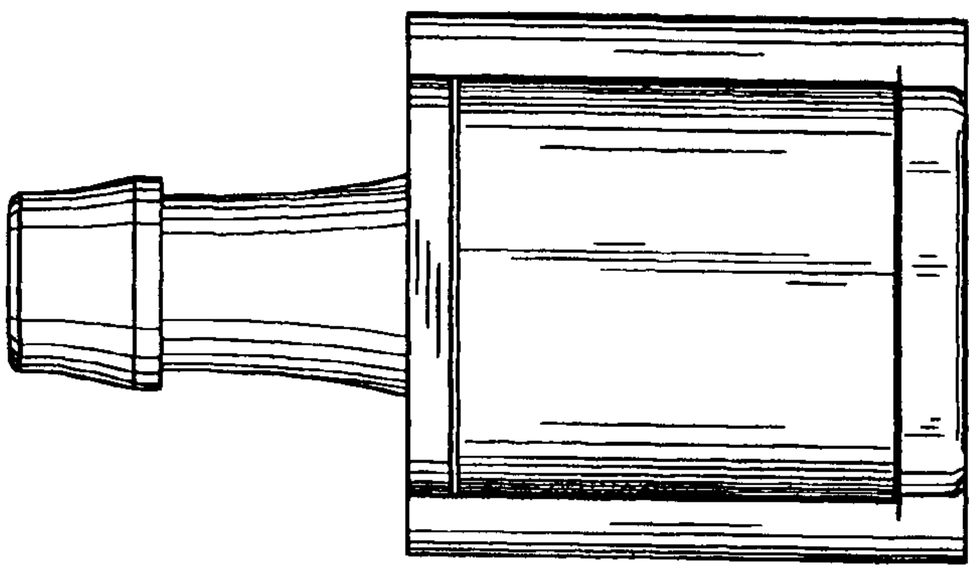


Fig. 6

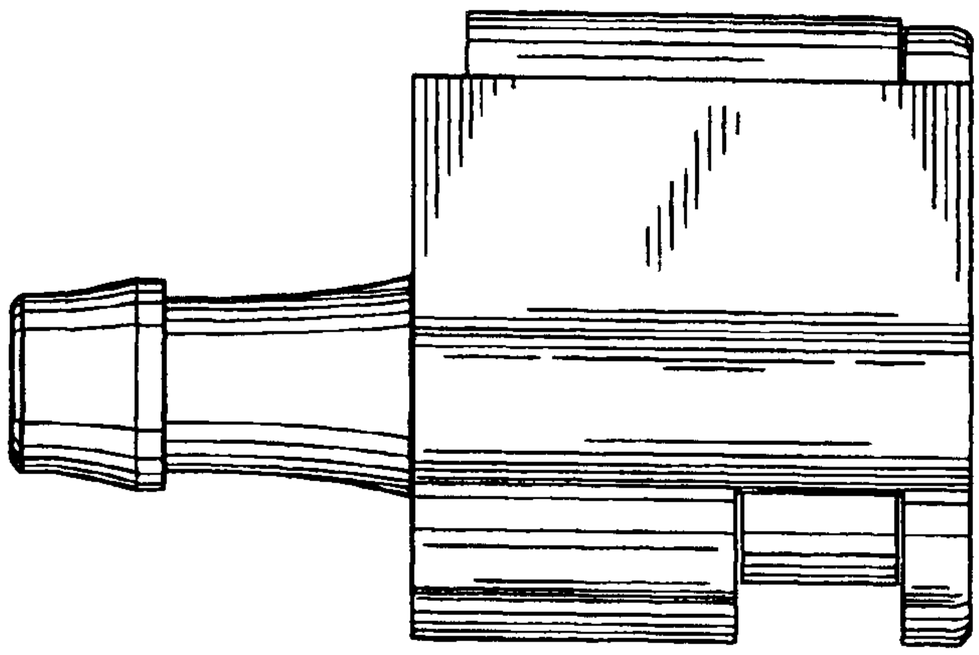


Fig. 4

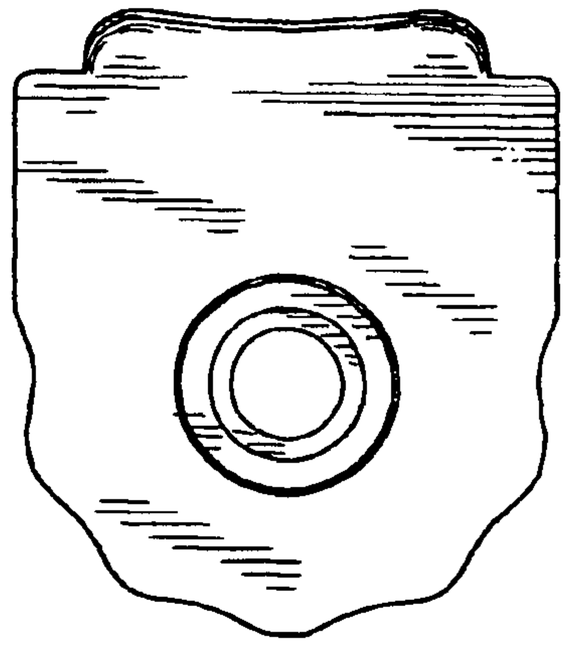


Fig. 5

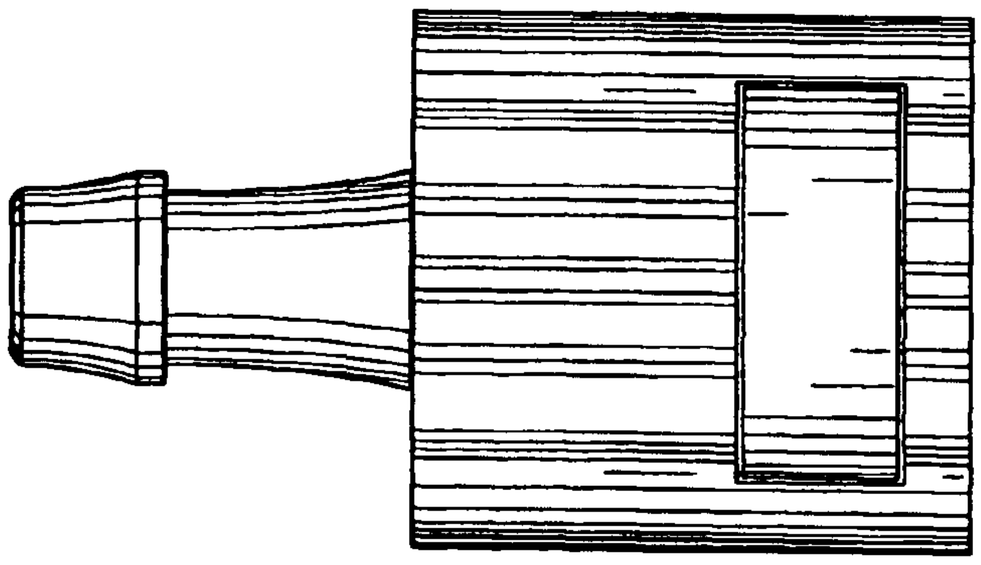


Fig. 7