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(12) United States Design Patent

Lambrecht

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(54) **CABLE CONNECTOR**

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

(21) Appl. No.: **29/668,601**

(22) Filed: **Oct. 31, 2018**

Related U.S. Application Data

(62) Division of application No. 29/635,148, filed on Jan. 29, 2018, now Pat. No. Des. 835,586, which is a division of application No. 29/571,123, filed on Jul. 14, 2016, now Pat. No. Des. 810,690.

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

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

(58) **Field of Classification Search**
USPC D13/101, 107, 110, 118, 133, 147, 153, D13/154; D14/432, 433, 435.1
CPC H01R 12/58; H01R 24/20; H01R 24/00; H01R 12/592
See application file for complete search history.

(56) **References Cited**

U.S. PATENT DOCUMENTS

D141,099	S		5/1945	Baumgardner
D141,100	S		5/1945	Baumgardner
D141,101	S		5/1945	Baumgardner
D188,419	S		7/1960	Danesi
3,184,703	A		5/1965	Piscitello et al.
4,211,461	A		7/1980	Wescott
D290,458	S		6/1987	O'Leary
5,180,316	A		1/1993	Miller et al.
D342,937	S		1/1994	Angel, Jr. et al.
D358,131	S		5/1995	Lorentzen
D364,332	S		11/1995	Sachs
D412,312	S		7/1999	Myers
D415,469	S		10/1999	Lee
D420,980	S		2/2000	Tennessen
D428,853	S		8/2000	Burwell et al.
D453,921	S	*	2/2002	Bussett 439/252
D472,523	S		4/2003	Hansen

(Continued)

OTHER PUBLICATIONS

"C2G Kettle Lead". Found online May 13, 2020 at amazon.co.uk. Reference dated Oct. 1, 2007. Retrieved from https://www.amazon.co.uk/C2G-Metre-Power-IEC320C13-Kettle-Black/dp/B002DWA8I2/ref=psdc_407733031_t4_B07QF92PH2. (Year: 2007).*

(Continued)

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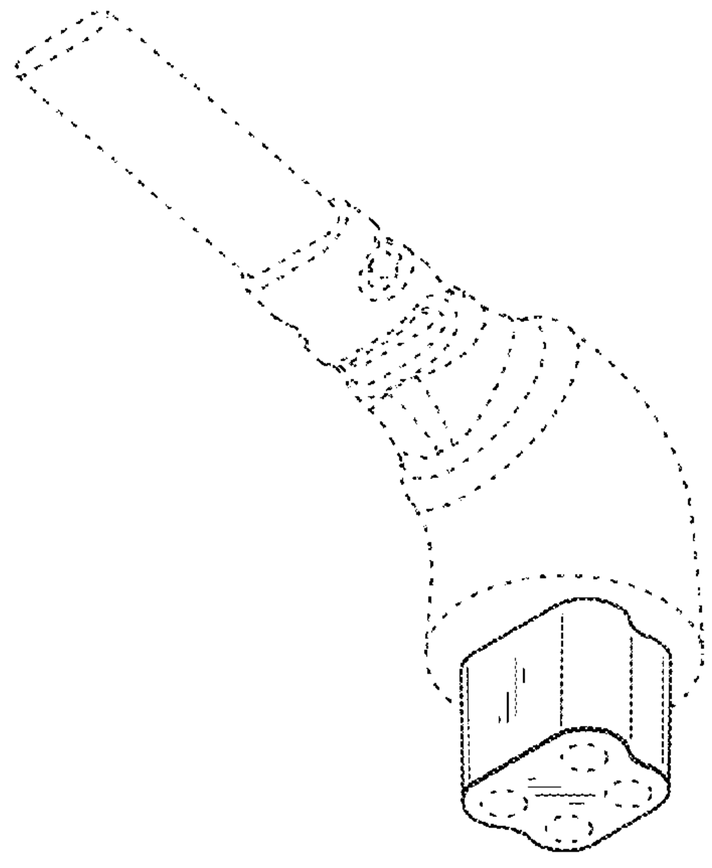
(57) **CLAIM**

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

DESCRIPTION

FIG. **1** is a front, bottom perspective view of a cable connector, showing my new design.
FIG. **2** is a front, top perspective view thereof.
FIG. **3** is a front elevation view thereof.
FIG. **4** is a bottom plan view thereof.
FIG. **5** is a left side elevation view thereof.
FIG. **6** is a top plan view thereof; and,
FIG. **7** is a right side elevation view thereof.
The broken lines depict portions of the cable connector that form no part of the claimed design.

1 Claim, 2 Drawing Sheets



(56) **References Cited**

U.S. PATENT DOCUMENTS

D475,014	S *	5/2003	Kano	D13/133
D491,526	S	6/2004	D'Addario et al.	
D492,652	S *	7/2004	McCoy	D13/147
D533,501	S	12/2006	Wakefield et al.	
D543,148	S	5/2007	Suckle et al.	
D560,610	S	1/2008	McCoy	
D563,883	S	3/2008	Dever	
D563,884	S	3/2008	Dever	
D587,205	S	2/2009	Wu et al.	
D617,272	S	6/2010	The	
D639,743	S	6/2011	Smith et al.	
D639,744	S	6/2011	Smith et al.	
8,052,470	B1	11/2011	Lin	
8,083,548	B1	12/2011	Lin	
8,162,684	B1	4/2012	Sochor	
D658,586	S	5/2012	Lin	
D668,225	S	10/2012	Lyford et al.	
D668,226	S	10/2012	Lyford et al.	
D672,718	S	12/2012	Lyford et al.	
D672,719	S	12/2012	Lyford et al.	
D672,720	S	12/2012	Lyford et al.	
D672,722	S	12/2012	Kreitzer et al.	
D672,723	S	12/2012	Kreitzer et al.	
D673,119	S	12/2012	Lyford et al.	
D673,120	S	12/2012	Lyford et al.	
D673,121	S	12/2012	Lyford et al.	
D682,787	S	5/2013	Lyford et al.	
D690,266	S	9/2013	Dachs, II	
D691,090	S	10/2013	Dachs	
D691,091	S	10/2013	Dachs, II	
D691,092	S	10/2013	Dachs	
D697,030	S	1/2014	Ledinger et al.	
D702,642	S	4/2014	Dachs, II	
D703,140	S	4/2014	Dachs, II	
D703,612	S	4/2014	Dachs, II	
D707,181	S *	6/2014	Schmidt	D13/147
D746,777	S	1/2016	Lavén et al.	
D784,929	S	4/2017	Makimura et al.	
D810,028	S	2/2018	Lambrecht	
D810,690	S	2/2018	Lambrecht	
D810,691	S *	2/2018	Lambrecht	D13/147
D810,692	S	2/2018	Lambrecht	
D811,343	S *	2/2018	Lau	D13/147
D858,453	S *	9/2019	Lang	D13/146
D866,473	S *	11/2019	Ramakrishna Gowda	D13/146
2004/0152354	A1	8/2004	Luther et al.	
2010/0291804	A1 *	11/2010	Zhang	H01R 43/24 439/660
2016/0294135	A1 *	10/2016	Susini	H01R 13/64
2019/0229477	A1 *	7/2019	Gassner	H01R 25/003

OTHER PUBLICATIONS

"StarTech CPU Power Cable". Found online May 13, 2020 at amazon.co.uk. Reference dated Oct. 8, 2008. Retrieved from https://www.amazon.co.uk/StarTech-com-ATX12V-Power-Extension-Cable-Black/dp/B000O7WFHA/ref=sr_1_9?dchild=1&keywords=four+pin+cable+connector&qid=1589294196&sr=8-9. (Year: 2008).*

"Eurosonic Power Cord". Found online May 13, 2020 at amazon.co.uk. Reference dated May 4, 2007. Retrieved from https://www.amazon.co.uk/POWER-CORD-PIN-FIG8-1-5M/dp/B000Q8HF04/ref=pd_sim_147_5/261-4346127-3452837. (Year: 2007).*

"Clones UK Power Lead". Found online May 13, 2020 at amazon.co.uk. Reference dated Oct. 18, 2007. Retrieved from https://www.amazon.co.uk/UK-plug-Laptop-power-lead/dp/B000XG4YB2/ref=pd_sbs_421_5/261-4346127-3452837. (Year: 2007).*

Co-pending U.S. Appl. No. 61/721,870, filed Nov. 2, 2012.

Vertut, Jean and Phillipe Coiffet, Robot Technology: Teleoperation and Robotics Evolution and Development, English translation, Prentice-Hall, Inc., Inglewood Cliffs, NJ, USA 1986, vol. 3A, 332 pages.

* cited by examiner

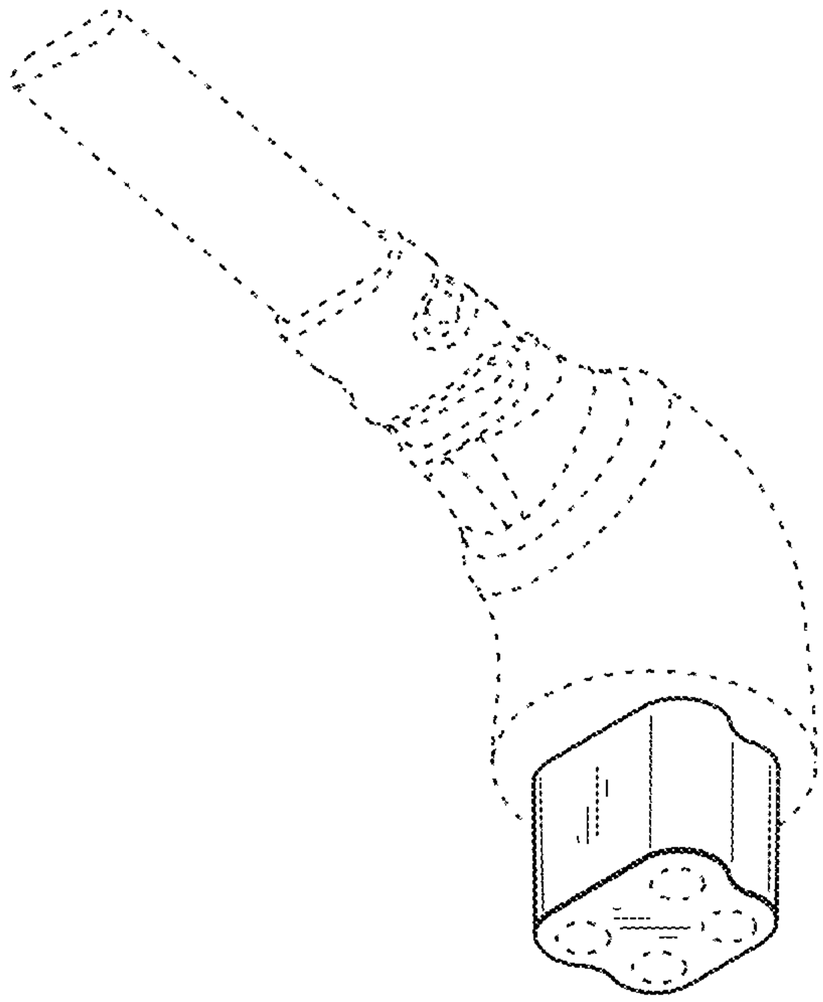


FIG. 1

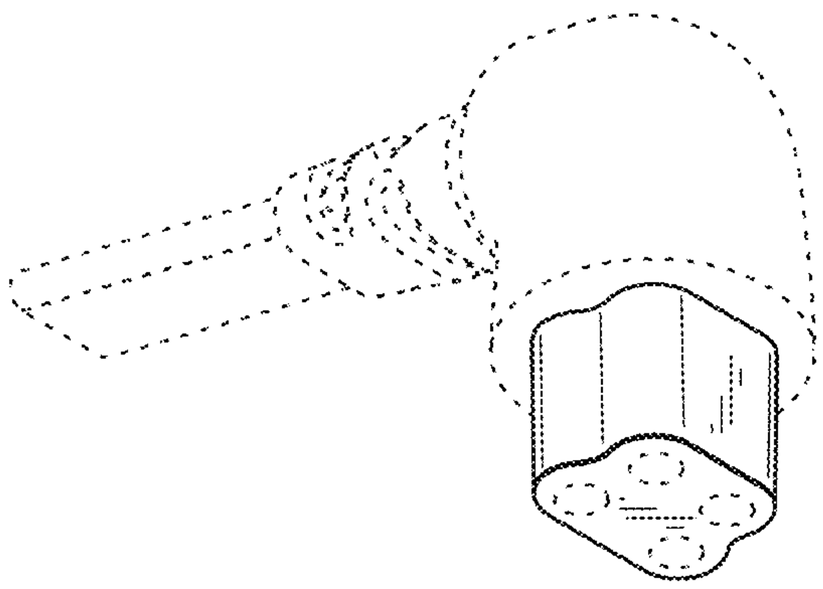


FIG. 2

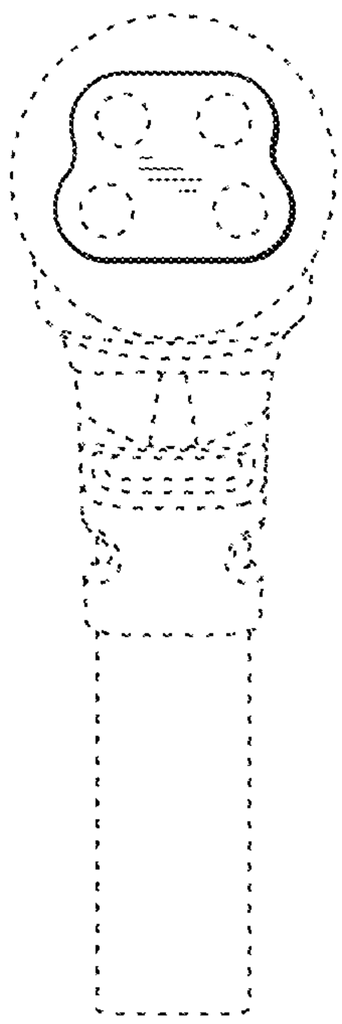


FIG. 3

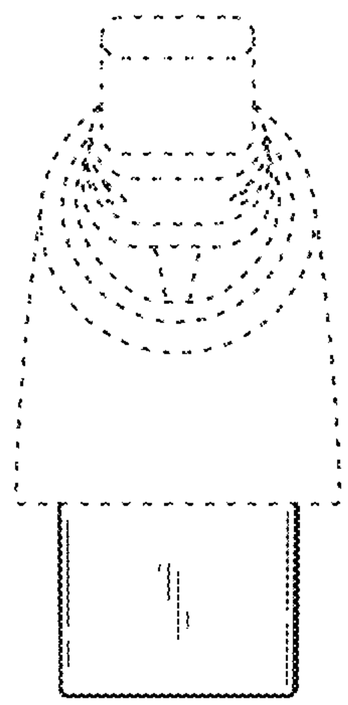


FIG. 4

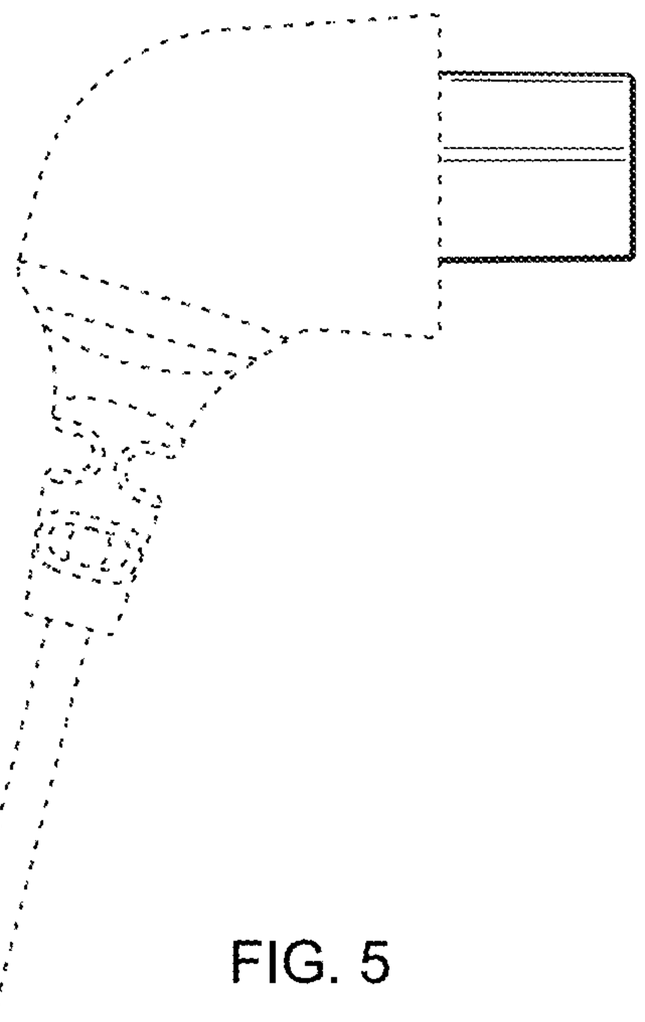


FIG. 5

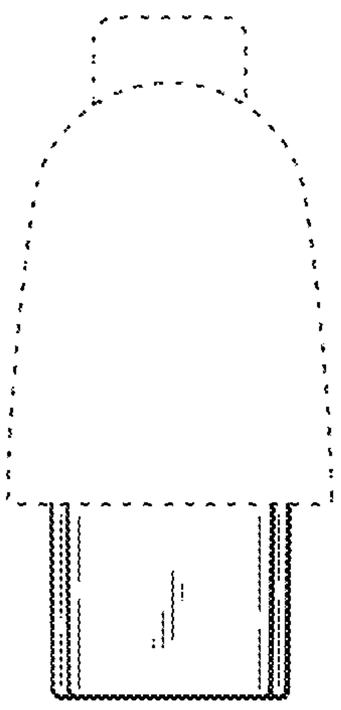


FIG. 6

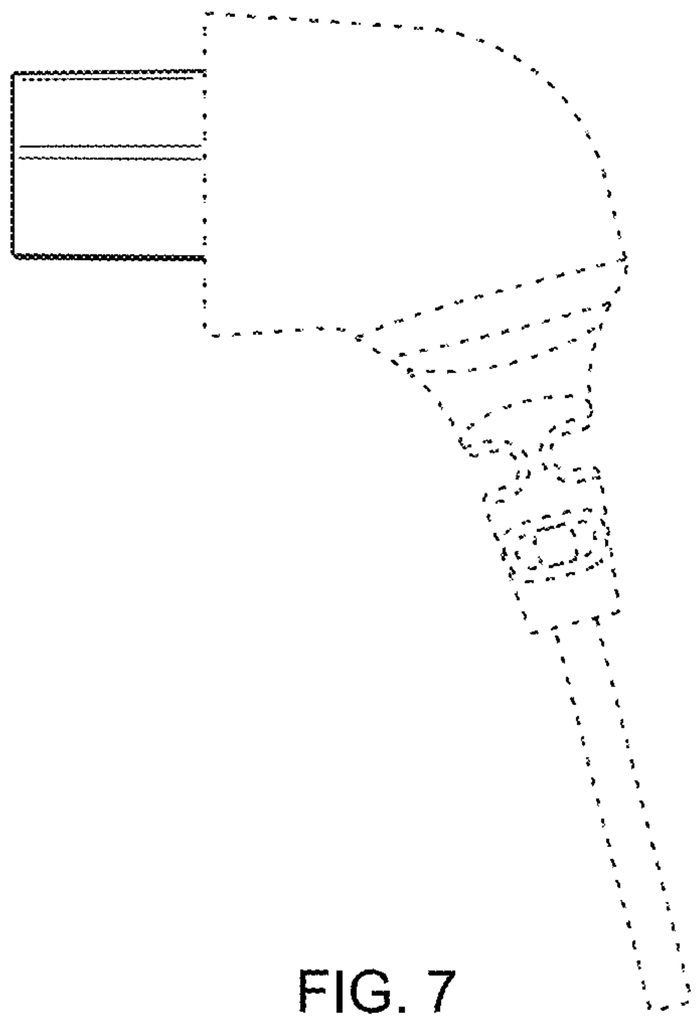


FIG. 7