

# (12) United States Design Patent (10) Patent No.:

Buck et al.

US D752,523 S

(45) **Date of Patent:** \*\* Mar. 29, 2016

#### (54) VERTICAL ELECTRICAL CONNECTOR HOUSING

(71) Applicants: Jonathan E. Buck, Milpitas, CA (US); Stuart C. Stoner, Lewisberry, PA (US); Steven E. Minich, York, PA (US); Douglas M. Johnescu, York, PA (US); Stephen B. Smith, Mechanicsburg, PA

(72) Inventors: **Jonathan E. Buck**, Milpitas, CA (US);

Stuart C. Stoner, Lewisberry, PA (US); Steven E. Minich, York, PA (US); Douglas M. Johnescu, York, PA (US); Stephen B. Smith, Mechanicsburg, PA

Assignee: FCI AMERICAS TECHNOLOGY

LLC, Carson City, NV (US)

Term: 14 Years

Appl. No.: 29/526,298

(22) Filed: May 7, 2015

#### Related U.S. Application Data

- (62) Division of application No. 29/498,823, filed on Aug. 8, 2014, now Pat. No. Des. 731,438, which is a division of application No. 29/443,589, filed on Jan. 18, 2013, now Pat. No. Des. 713,356.
- (52) U.S. Cl. USPC ...... D13/154

(58) Field of Classification Search USPC ...... D13/133, 146, 147, 154, 184, 199 See application file for complete search history.

#### (56)References Cited

#### U.S. PATENT DOCUMENTS

D210,829 S 4/1968 Hanlon et al. D213,697 S 4/1969 Oxley 5,181,855 A 1/1993 Mosquera et al.

D402,637 S		Carpenter, Jr.
6,461,202 B2	10/2002	Kline
6,960,103 B2		Tokunaga
6,994,569 B2	2/2006	Minich et al.
7,118,391 B2	10/2006	Minich et al.
D550,628 S		Whiteman, Jr. et al.
7,278,856 B2	10/2007	Minich
7,338,321 B2	3/2008	Laurx

#### (Continued)

#### OTHER PUBLICATIONS

U.S. Appl. No. 29/496,690, filed Jul. 16, 2014, Buck et al. (Continued)

Primary Examiner — Daniel Bui

(74) Attorney, Agent, or Firm — Baker & Hostetler LLP

CLAIM

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

#### DESCRIPTION

This is related by subject matter to U.S. patent application Ser. No. 29/443,206, filed Jan. 14, 2013; U.S. patent application Ser. No. 29/443,759, filed Jan. 22, 2013; and U.S. patent application Ser. No. 29/496,690, filed Jul. 16, 2014.

FIG. 1 is a top, left, rear perspective view of a vertical electrical connector housing according to one embodiment of our design;

FIG. 2 is a bottom, right, front perspective view thereof;

FIG. 3 is a bottom, right, rear perspective view thereof;

FIG. 4 is a top, left, front perspective view thereof;

FIG. 5 is a rear elevation view thereof;

FIG. 6 is a front elevation view thereof;

FIG. 7 is a bottom plan view thereof;

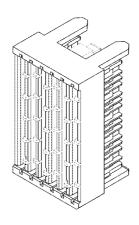
FIG. 8 is a top plan view thereof;

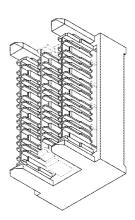
FIG. 9 is a right side elevation view thereof; and,

FIG. 10 is a left side elevation view thereof.

The broken line portion of the figure drawings is included to show unclaimed subject matter only for the purpose of illustrating environment and forms no part of the claimed design. In a preferred embodiment, the nature of this product is an electrical component that can take the form of a vertical electrical connector housing.

### 1 Claim, 5 Drawing Sheets





# US D752,523 S

## Page 2

()	References Cited	2009/0068902 A1 2012/0214343 A1	8/2007 Shuey et al. 3/2009 Nagata 8/2012 Buck et al. 9/2014 Khazen et al.
7,549,897 B2 D611,420 S D611,421 S	6/2009 Fedder et al. 3/2010 Takada et al. 3/2010 Takada et al.		ER PUBLICATIONS
D611,905 S D611,906 S 8,408,939 B2	3/2010 Takada et al. 3/2010 Takada et al. 4/2013 Davis et al.	U.S. Appl. No. 29/498,81	7, filed Jul. 21, 2014, Buck et al. 7, filed Aug. 8, 2014, Buck et al. 8, filed Aug. 8, 2014, Buck et al.
D712,841 S D712,842 S D712,843 S	9/2014 Buck et al. 9/2014 Buck et al. 9/2014 Buck et al.	U.S. Appl. No. 29/517,07 U.S. Appl. No. 29/526,30	8, filed Jan. 14, 2013, Buck et al. 11, filed May 7, 2015, Buck et al.
D712,844 S D713,346 S D713,799 S	9/2014 Buck et al. 9/2014 Buck et al. 9/2014 Buck et al.	U.S. Appl. No. 29/526,29 U.S. Appl. No. 29/526,29	11, filed May 11, 2015, Buck et al. 15, filed May 7, 2015, Buck et al. 16, filed May 7, 2015, Buck et al.
D724,032 S 8,998,645 B2 D731,435 S *	3/2015 Buck et al. 4/2015 Vanaleck et al. 6/2015 Buck	11	9, filed Jul. 22, 2015, Buck et al. 0, filed Jul. 23, 2015, Buck et al.
,	12/2004 Wu	* cited by examiner	

