



US00D839192S

(12) **United States Design Patent** (10) **Patent No.:** **US D839,192 S**
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(54) **ELECTRICAL CONNECTOR HOUSING**

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Kanagawa (JP)

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

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(30) **Foreign Application Priority Data**

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(51) **LOC (11) Cl.** **13-03**

(52) **U.S. Cl.**

USPC **D13/133**

(58) **Field of Classification Search**

USPC D13/118-120, 122, 123, 133, 144, 146,
D13/147, 149-151, 153, 154, 173, 174,
D13/178, 184, 199; D14/432, 433

(Continued)

(56) **References Cited**

U.S. PATENT DOCUMENTS

D323,810 S * 2/1992 Sueyoshi D13/133
6,780,045 B2 8/2004 Shuey et al.

(Continued)

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Assistant Examiner — Shawn T Gingrich

(74) *Attorney, Agent, or Firm* — Barley Snyder

(57) **CLAIM**

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

DESCRIPTION

FIG. 1 is a top plan view of an electrical connector housing, showing the new design;

FIG. 2 is a front plan view thereof;

FIG. 3 is a rear plan view thereof;

FIG. 4 is a bottom plan view thereof;

FIG. 5 is a left side elevation view thereof;

FIG. 6 is a right side elevation view thereof;

FIG. 7 is a front, top and right side perspective view thereof;

FIG. 8 is a front, bottom and right side perspective view thereof;

FIG. 9 is a rear, top and left side perspective view thereof;

FIG. 10 is a rear, bottom and left side perspective view thereof;

FIG. 11 is a rear, top and left side perspective view showing a mating state with a mating connector in which a CPA (Connector Position Assurance) member is pushed into the connector housing thereof;

FIG. 12 is a top plan view of the housing showing the state where the CPA member is pushed into the housing thereof;

FIG. 13 is a front view of the housing showing the state where the CPA member is pushed into the housing thereof;

FIG. 14 is a rear view of the housing showing the state where the CPA member is pushed into the housing thereof;

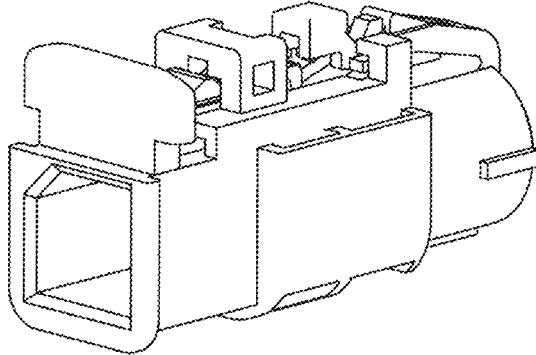
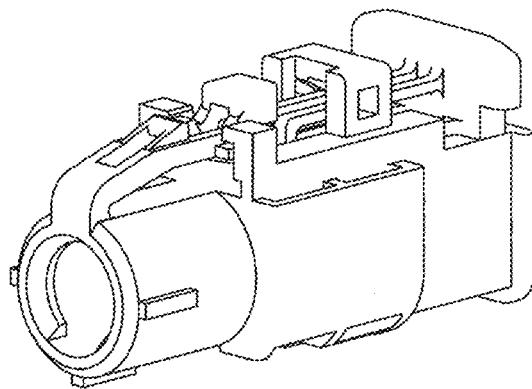
FIG. 15 is a bottom view of the housing showing the state where the CPA member is pushed into the housing thereof;

FIG. 16 is a left side view of the housing showing the state where the CPA member is pushed into the housing thereof;

FIG. 17 is a right side view of the housing showing the state that where the CPA member is pushed into the housing.

The broken lines in the drawings illustrate portions of the electrical connector housing that form no part of the claimed design.

1 Claim, 17 Drawing Sheets



(58) Field of Classification Search

CPC ... G02B 6/00; G02B 6/36; G02B 6/38; G02B 6/383; H01R 4/24; H01R 4/26; H01R 4/70; H01R 13/50; H01R 13/501; H01R 13/506; H01R 13/58; H01R 13/582; H01R 13/5816; H01R 24/58

See application file for complete search history.

(56) References Cited

U.S. PATENT DOCUMENTS

7,326,074	B1	2/2008	Lim et al.	
7,980,894	B1*	7/2011	Hall	H01R 24/40 439/585
9,350,116	B1*	5/2016	Morello	H01R 13/639
9,774,138	B1*	9/2017	Peng	H01R 24/20
2007/0020986	A1*	1/2007	Fry, Jr.	H01R 13/6272 439/357
2007/0093120	A1*	4/2007	Hardy	H01R 13/506 439/468
2010/0029132	A1*	2/2010	Phillips, Jr.	H01R 13/187 439/584
2012/0202372	A1*	8/2012	Hardy	H01R 9/0518 439/460
2014/0242823	A1*	8/2014	Littek	H01R 13/422 439/162
2017/0141506	A1*	5/2017	Richardson	H01R 13/52
2017/0271815	A1*	9/2017	Lane	H01R 13/6272
2018/0062314	A1*	3/2018	Schmidt	H01R 13/639
2018/0083397	A1*	3/2018	Hall	H01R 13/405
2018/0196201	A1*	7/2018	Chai	G02B 6/36
2018/0241151	A1*	8/2018	Lane	H01R 13/6272

* cited by examiner

Fig. 1

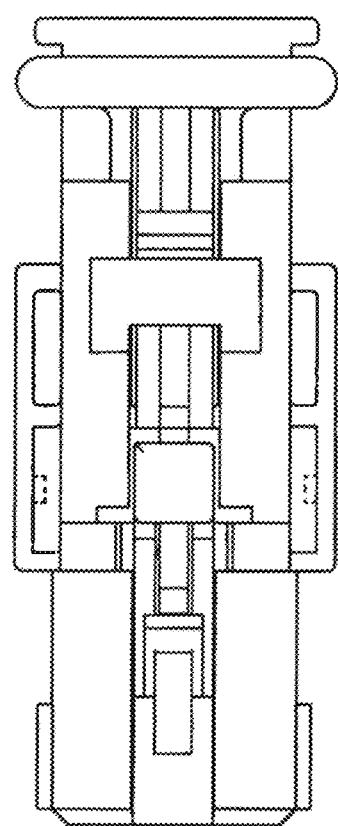


Fig. 2

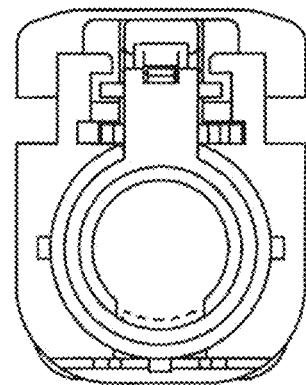


Fig. 3

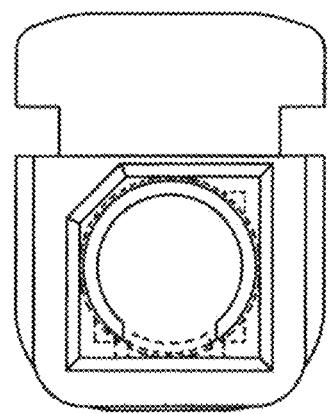


Fig. 4

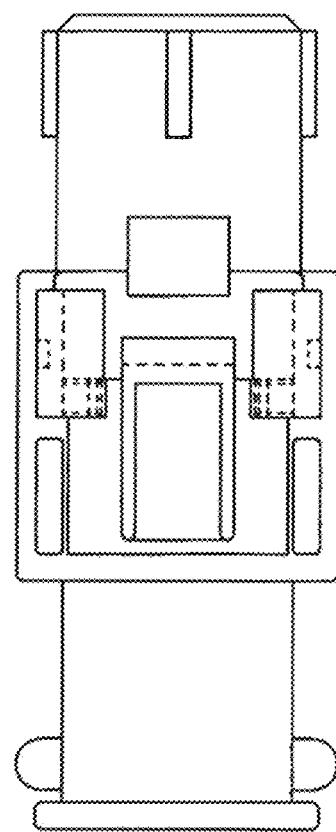


Fig. 5

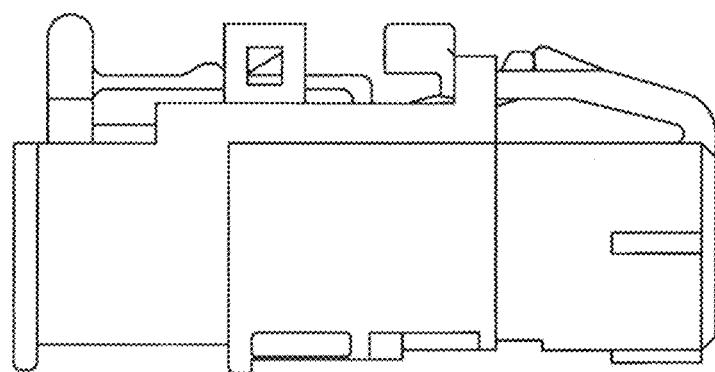


Fig. 6

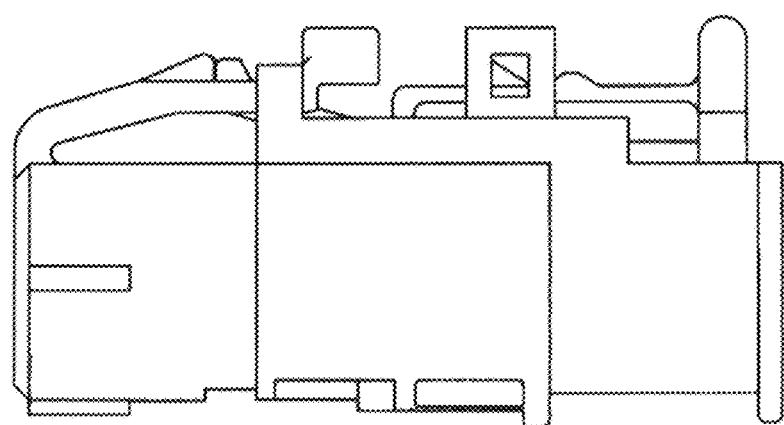


Fig. 7

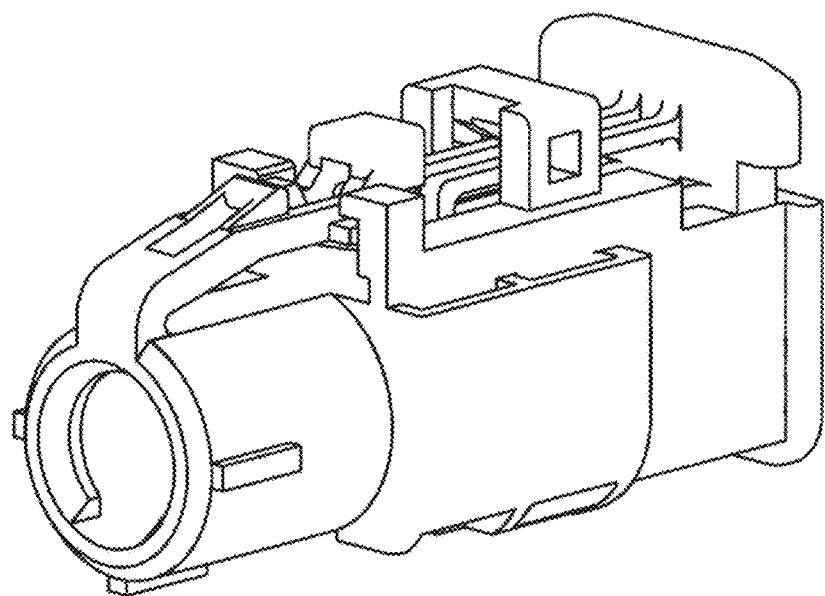


Fig. 8

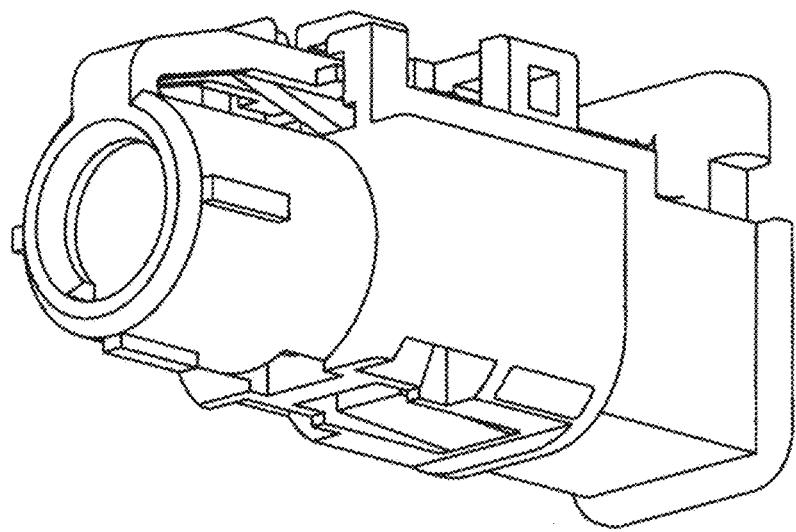


Fig. 9

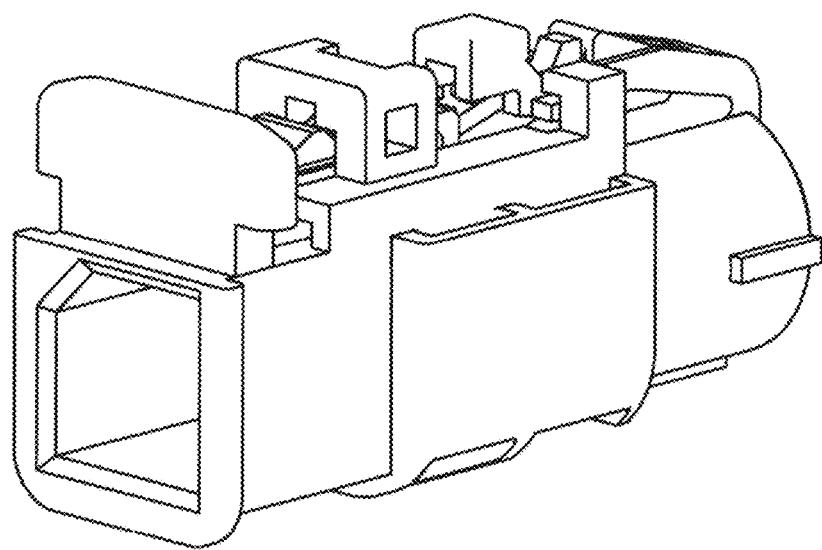


Fig. 10

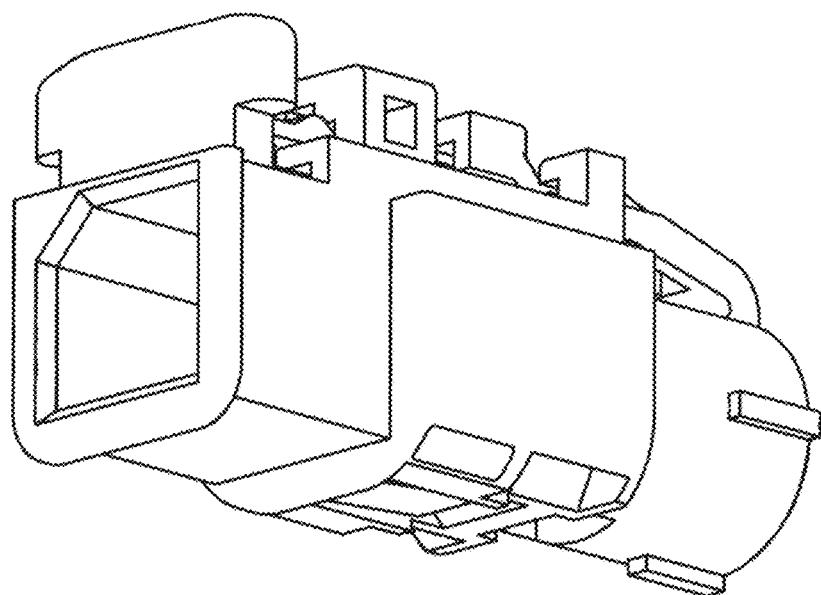


Fig. 11

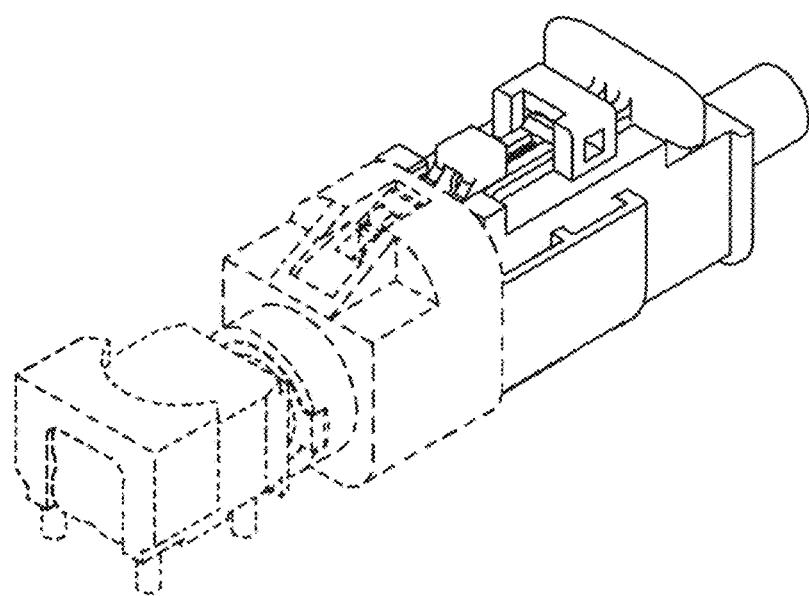


Fig. 12

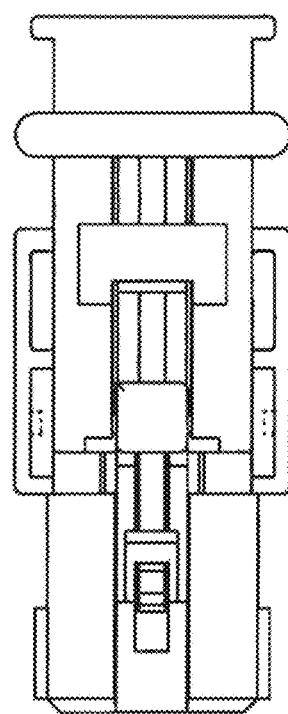


Fig. 13

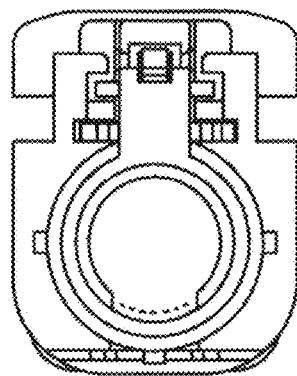


Fig. 14

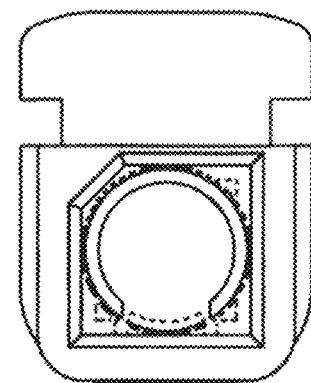


Fig. 15

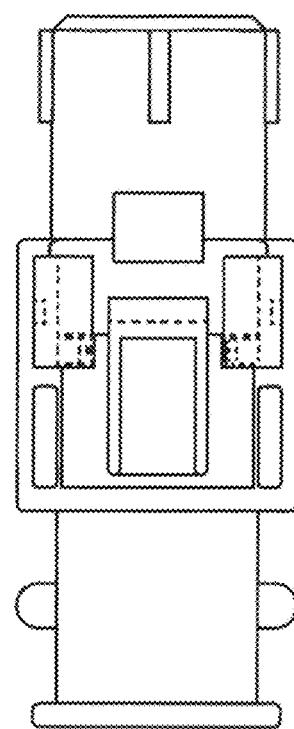


Fig. 16

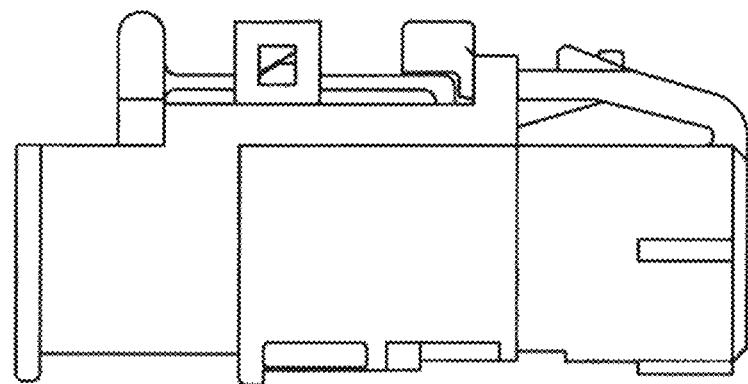


Fig. 17

