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

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(54) **ELECTRICAL CONNECTOR**

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(**) 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**

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D13/156, 173, 184, 199

CPC ... G02B 6/38; H01R 9/00; H01R 9/05; H01R
4/24; H01R 4/50; H01R 12/00; H01R
13/00; H01R 13/436; H01R 13/44; H01R
13/58; H01R 13/62; H01R 13/627; H01R
13/629; H01R 13/64; H01R 13/648;
H01R 13/658; H01R 13/74; H01R 24/00

See application file for complete search history.

(56) **References Cited**

U.S. PATENT DOCUMENTS

D330,365 S * 10/1992 Endo D13/133
6,154,597 A * 11/2000 Roth G02B 6/3825
385/139
D464,318 S * 10/2002 Togashi D13/133
D672,316 S * 12/2012 Miyoshi D13/147
10,116,090 B2 * 10/2018 Iwamoto H01R 13/5025

2007/0054535 A1 * 3/2007 Hall H01R 13/6272
439/352

2014/0357130 A1 * 12/2014 Endo H01R 13/516
439/626

2015/0236435 A1 * 8/2015 Hardy H01R 9/05
439/578

2017/0338600 A1 * 11/2017 Tanaka H01R 13/6582

2018/0048108 A1 * 2/2018 Takahashi H01R 43/20

2018/0076566 A1 * 3/2018 Kanda H01R 13/52

2018/0269623 A1 * 9/2018 Okamura H01R 13/5213

2018/0337490 A1 * 11/2018 Choi H01R 13/6273

2018/0375249 A1 * 12/2018 Hara H01R 13/521

2019/0020146 A1 * 1/2019 Oishi H01R 13/5219

2019/0044288 A1 * 2/2019 Bopp H01R 13/518

* cited by examiner

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(57) **CLAIM**

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

DESCRIPTION

FIG. 1 is a front elevational view of an electrical connector
showing my new design;

FIG. 2 is a back elevational view thereof;

FIG. 3 is a top plan view thereof;

FIG. 4 is a bottom plan view thereof;

FIG. 5 is a right side elevational view thereof;

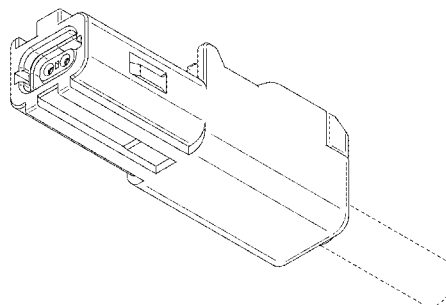
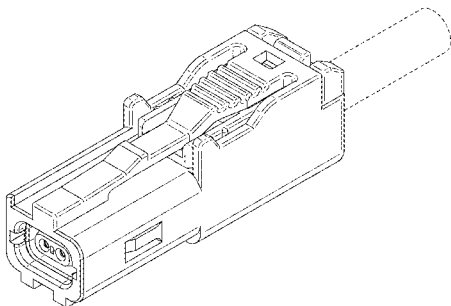
FIG. 6 is a left side elevational view thereof;

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

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

The broken lines are included for the purpose of illustrating
environmental structures and form no part of the claimed
design.

1 Claim, 8 Drawing Sheets



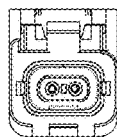


Fig.1

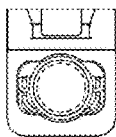


Fig.2

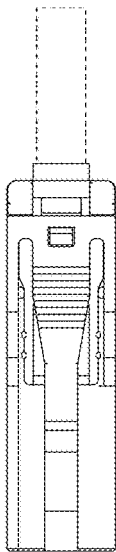


Fig.3



Fig.4

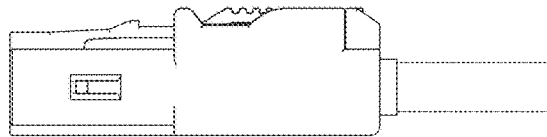


Fig.5

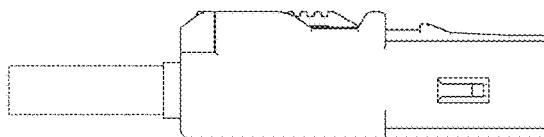


Fig.6

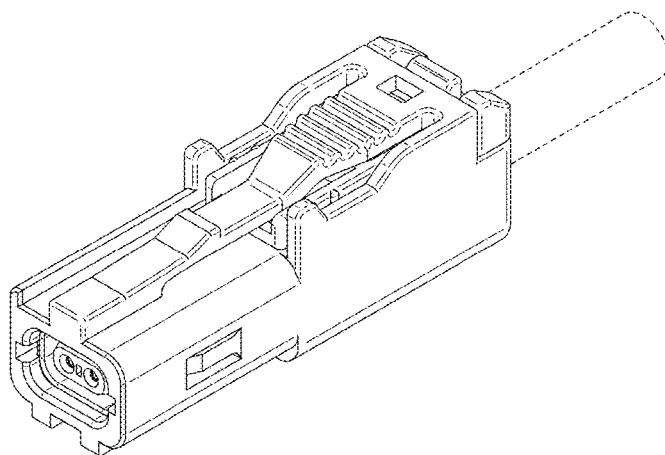


Fig.7

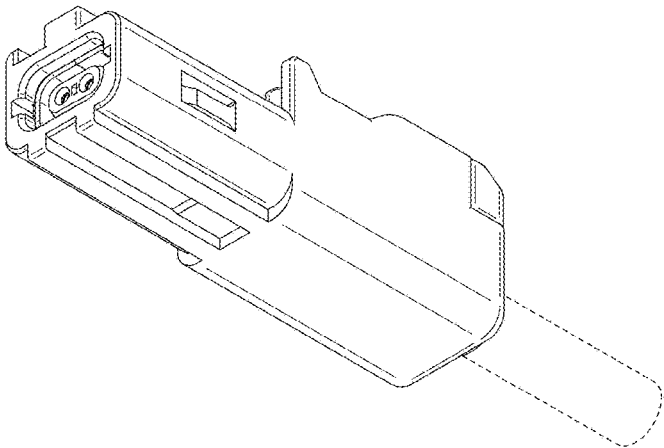


Fig.8