

(12) United States Design Patent (10) Patent No.: US D531,122 S Asai et al. (45) Date of Patent: ** Oct. 31, 2006

(54) ELECTRICAL CONNECTOR

- (75) Inventors: Kiyoshi Asai, Tokyo (JP); Junichi
 Kobayashi, Tokyo (JP); Kazuaki
 Kanazawa, Tokyo (JP)
- (73) Assignee: SMK Corporation, Tokyo (JP)
- (**) Term: 14 Years

FOREIGN PATENT DOCUMENTS

JP 11 79 175 7/2003

* cited by examiner

Primary Examiner—Stella Reid Assistant Examiner—Daniel Bui

(21) Appl. No.: 29/212,892

- (22) Filed: Sep. 10, 2004
- (30) Foreign Application Priority Data
- Mar. 12, 2004 (JP) 2004-007322
- (52) U.S. Cl. D13/147
 (58) Field of Classification Search D13/133, D13/146–147, 154, 199; 439/71–73, 266, 439/326, 330–331, 630, 638
 See application file for complete search history.
- (56) **References Cited**

U.S. PATENT DOCUMENTS

5,073,116 A	*	12/1991	Beck, Jr.	439/71
5,073,117 A	*	12/1991	Malhi et al.	. 439/71
D493,427 S	*	7/2004	Nishio et al	D13/147

(74) Attorney, Agent, or Firm—Sughrue Mion, PLLC

(57) **CLAIM**

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

DESCRIPTION

FIG. 1 is a perspective view of the top, front and left side of an electrical connector showing our new design;
FIG. 2 is a top plan view thereof;
FIG. 3 is a bottom plan view thereof;
FIG. 4 is a rear elevational view thereof;
FIG. 5 is a front elevational view thereof;
FIG. 6 is a left side elevational view thereof;
FIG. 7 is a right side elevational view thereof; and,
FIG. 8 is a cross sectional view taken along the line 8—8 as shown in FIG. 2 thereof.

1 Claim, 6 Drawing Sheets



U.S. Patent Oct. 31, 2006 Sheet 1 of 6 US D531,122 S



U.S. Patent Oct. 31, 2006 Sheet 2 of 6 US D531,122 S

FIG. 2

8

.





U.S. Patent Oct. 31, 2006 Sheet 3 of 6 US D531,122 S

FIG. 3



U.S. Patent Oct. 31, 2006 Sheet 4 of 6 US D531,122 S

FIG. 4 FIG. 5





U.S. Patent Oct. 31, 2006 Sheet 5 of 6 US D531,122 S

FIG. 6



FIG. 7

•



U.S. Patent Oct. 31, 2006 Sheet 6 of 6 US D531,122 S

FIG. 8

