



US00D563887S

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

(10) **Patent No.:** **US D563,887 S**

(45) **Date of Patent:** **\*\* Mar. 11, 2008**

(54) **ELECTRICAL CONNECTOR**

5,163,851 A \* 11/1992 Hart et al. .... 439/567  
5,190,481 A \* 3/1993 Ju ..... 439/654

(75) Inventor: **Neil Patrick Dever**, Phoenix, AZ (US)

(Continued)

(73) Assignee: **AirBorn, Inc.**, Addison, TX (US)

**OTHER PUBLICATIONS**

(\*\*) Term: **14 Years**

“Detail Specification Sheet” MIL-DTL-32139/1, Dec. 16, 2003, pp. 1-5.

(21) Appl. No.: **29/284,990**

(Continued)

(22) Filed: **Sep. 19, 2007**

*Primary Examiner*—Daniel Bui

(51) **LOC (8) Cl.** ..... **13-03**

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

(58) **Field of Classification Search** ..... D13/133,  
D13/146–147, 154, 184, 199; 439/344, 378,  
439/395, 409, 607–610, 676

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See application file for complete search history.

(57) **CLAIM**

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

(56) **References Cited**

**DESCRIPTION**

**U.S. PATENT DOCUMENTS**

|               |         |                       |         |
|---------------|---------|-----------------------|---------|
| D269,673 S *  | 7/1983  | Johansson et al. .... | D13/147 |
| D274,719 S *  | 7/1984  | Casciotti et al. .... | D13/147 |
| D275,850 S *  | 10/1984 | Wilson .....          | D13/147 |
| D299,715 S *  | 2/1989  | Stowers et al. ....   | D13/147 |
| 4,824,398 A * | 4/1989  | Taylor .....          | 439/557 |
| D305,224 S *  | 12/1989 | Iwashita .....        | D13/147 |
| 4,889,502 A * | 12/1989 | Althouse et al. ....  | 439/607 |
| 4,906,201 A * | 3/1990  | Young et al. ....     | 439/108 |
| 4,998,892 A * | 3/1991  | Shiley .....          | 439/381 |
| D319,431 S *  | 8/1991  | Constien .....        | D13/184 |
| D328,595 S *  | 8/1992  | Lou .....             | D14/438 |
| D330,704 S *  | 11/1992 | Wagner .....          | D14/242 |

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

FIG. 2 is a bottom plan view thereof;

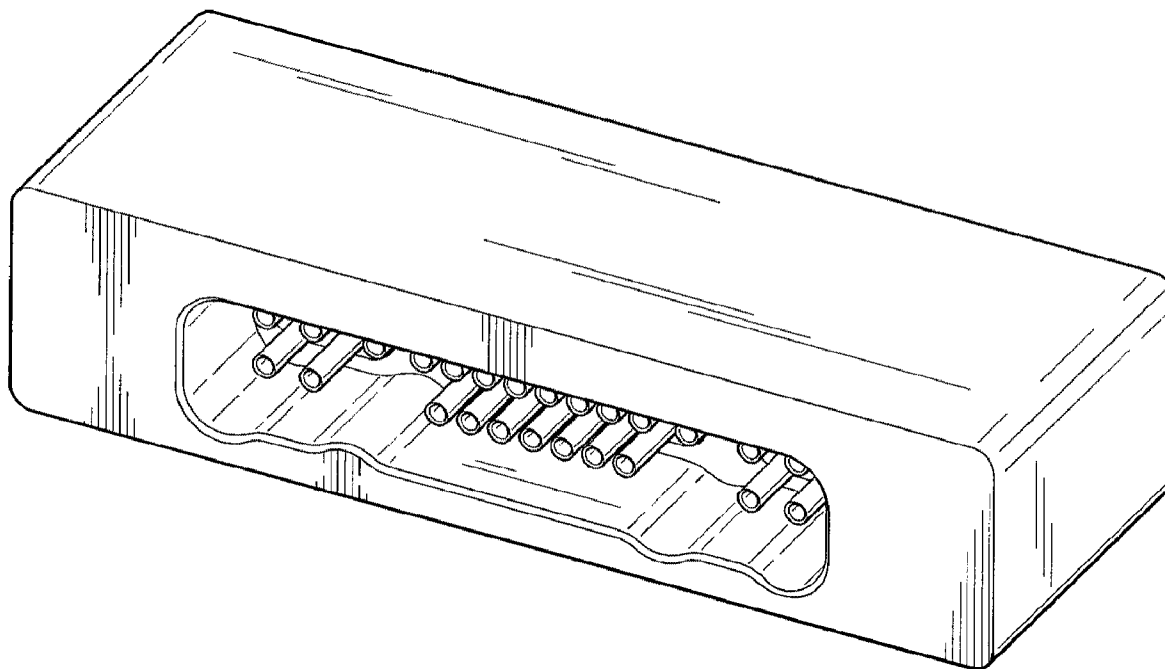
FIG. 3 is a front elevational view thereof;

FIG. 4 is a rear elevational view thereof; and,

FIG. 5 is a side elevational view thereof.

The broken line showing of the environment is for illustrative purposes only and forms no part of the claimed design.

**1 Claim, 2 Drawing Sheets**



U.S. PATENT DOCUMENTS

|              |         |                    |       |         |   |         |               |               |
|--------------|---------|--------------------|-------|---------|---|---------|---------------|---------------|
| D344,491 S * | 2/1994  | Nakamura           | ..... | D13/147 | D453,500 S  | 2/2002  | Nakatomi      |               |
| D349,100 S * | 7/1994  | Lo                 | ..... | D13/147 | D458,901 S *  | 6/2002  | Larsen et al. | ..... D13/147 |
| D361,989 S * | 9/1995  | Cox                | ..... | D14/433 | D460,945 S *  | 7/2002  | Wang          | ..... D13/147 |
| D377,336 S * | 1/1997  | Tan et al.         | ..... | D13/147 | D468,266 S *  | 1/2003  | Huang         | ..... D13/147 |
| D403,303 S   | 12/1998 | Lai et al.         |       |         | D468,693 S  | 1/2003  | Kuo           |               |
| D407,376 S * | 3/1999  | Copeland et al.    | ..... | D13/153 | D474,449 S *  | 5/2003  | Rosander      | ..... D13/147 |
| D408,789 S   | 4/1999  | Middlehurst et al. |       |         | D488,132 S  | 4/2004  | Tanaka        |               |
| D409,572 S * | 5/1999  | van Putten         | ..... | D13/147 | D502,685 S  | 3/2005  | Shimojo       |               |
| D411,513 S * | 6/1999  | Wu et al.          | ..... | D13/147 | D505,116 S  | 5/2005  | Tanaka        |               |
| D412,489 S * | 8/1999  | Middlehurst et al. | ..... | D13/147 | D506,727 S  | 6/2005  | Taguchi       |               |
| D414,162 S * | 9/1999  | Huang              | ..... | D13/147 | D508,464 S  | 8/2005  | Tanaka        |               |
| D414,465 S * | 9/1999  | Hsu et al.         | ..... | D13/147 | 6,932,646 B2  | 8/2005  | Sloey         |               |
| D420,645 S   | 2/2000  | Chang et al.       |       |         | D517,994 S  | 3/2006  | Zhang et al.  |               |
| D420,978 S * | 2/2000  | Chang              | ..... | D13/146 | D543,508 S  | 5/2007  | Dever         |               |
| D420,979 S * | 2/2000  | Chang              | ..... | D13/146 | D549,659 S  | 8/2007  | Dever         |               |
| D434,728 S   | 12/2000 | Huang              |       |         | 2001/0031579 A1 *   | 10/2001 | Fujino et al. | ..... 439/610 |
| D435,245 S   | 12/2000 | Hwang              |       |         | OTHER PUBLICATIONS  |         |               |               |
| D435,519 S * | 12/2000 | Lee                | ..... | D13/147 | "Detail Specification Sheet" MIL-DTL-32139/3, Dec. 16, 2003, pp. 1-5.           |         |               |               |
| D440,205 S * | 4/2001  | Lord               | ..... | D13/147 | AirBorn, Inc., AirBorn Interconnect Solutions, Nano Miniature Series, May 2007. |         |               |               |
| 6,319,963 B1 | 11/2001 | Coates et al.      |       |         | * cited by examiner   |         |               |               |
| D451,476 S * | 12/2001 | Wang et al.        | ..... | D13/147 |   |         |               |               |
| D452,961 S * | 1/2002  | Zheng et al.       | ..... | D13/147 |   |         |               |               |

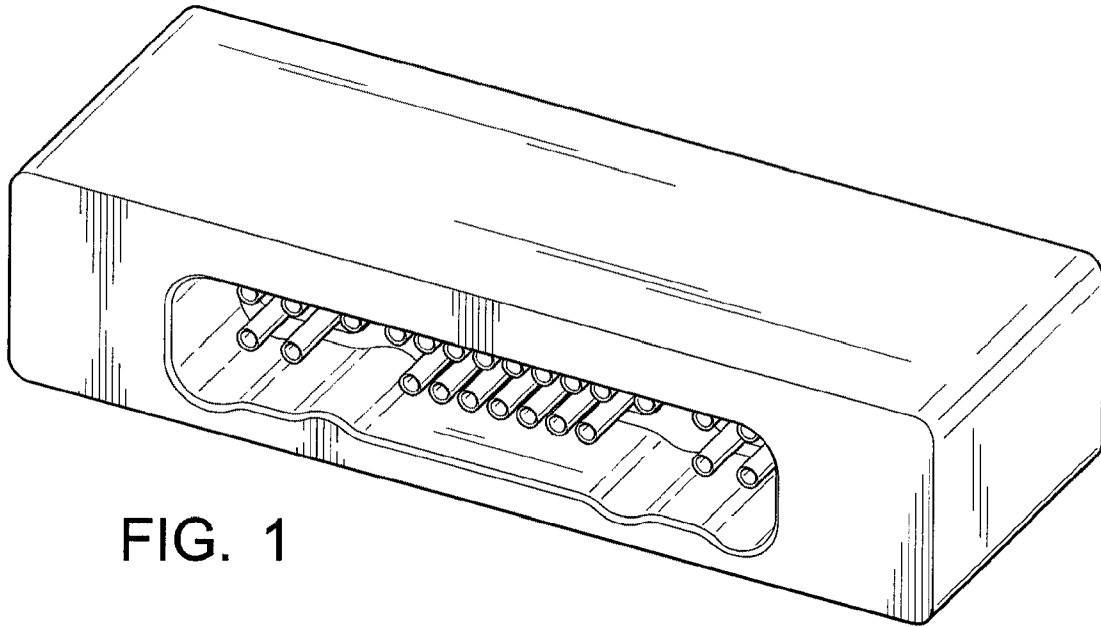


FIG. 1

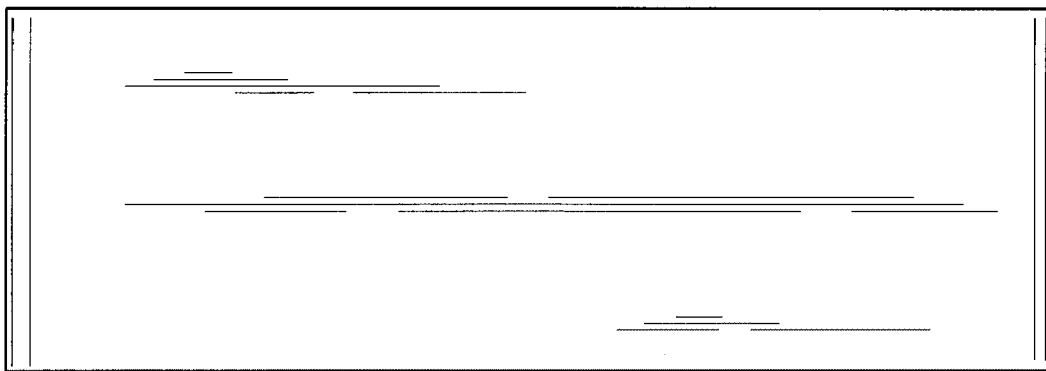


FIG. 2

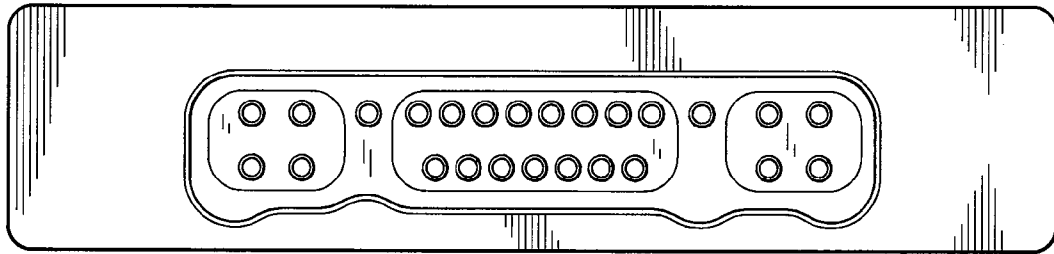


FIG. 3

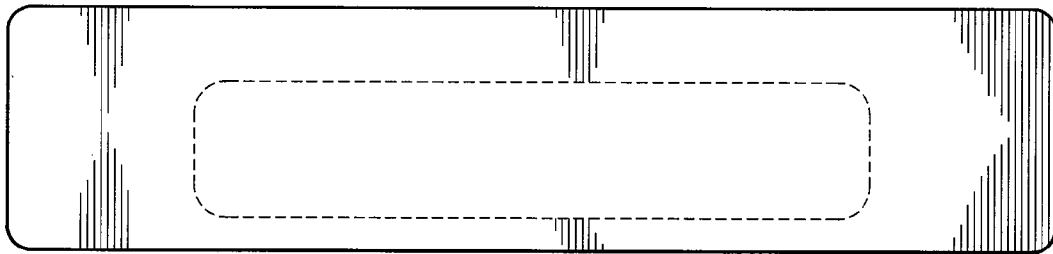


FIG. 4

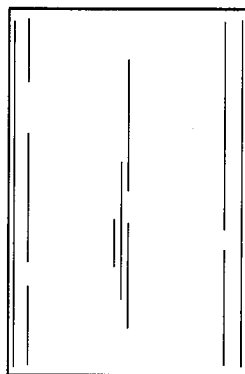


FIG. 5