

Form PTO-1595 (Rev. 07/05)  
OMB No. 0651-0027 (exp. 6/30/2008)

01-29-2009

U.S. DEPARTMENT OF COMMERCE  
United States Patent and Trademark Office

REC



103545710

To the Director of the U.S. Patent and Trademark Office: Please record the attached documents or the new address(es) below.

**1. Name of conveying party(ies)**

Jason Edward Vrenna  
Justin Shane McClellan  
Daniel Robert Ringler  
Jason M'Cheyne Reisinger

Additional name(s) of conveying party(ies) attached? ☐ Yes ☒ No

**3. Nature of conveyance/Execution Date(s):**

Execution Date(s) 1-09-09, 1-09-09, 1-09-09 and 1-09-09, respectively

- ☐ Assignment ☐ Merger  
☐ Security Agreement ☐ Change of Name  
☐ Joint Research Agreement  
☐ Government Interest Assignment  
☐ Executive Order 9424, Confirmatory License  
☒ Other Correction of inventor name on Notice of Recordation recorded at Reel/Frame 022084/0115

**2. Name and address of receiving party(ies)**

Name: Tyco Electronics Corporation

Internal Address:

Street Address: 1050 Westlakes Drive

City: Berwyn

State: PA

Country: USA

Zip: 19312

Additional name(s) & address(es) attached? ☐ Yes ☒ No

**4. Application or patent number(s):**

A. Patent Application No.(s)

12/351,382, filed January 9, 2009

☐ This document is being filed together with a new application.

B. Patent No.(s)

Additional numbers attached? ☐ Yes ☒ No

**5. Name and address to whom correspondence concerning document should be mailed:**

Name: Robert J. Kapalka

Internal Address: Tyco Electronics Corporation

Street Address: 4550 New Linden Hill Road

Suite 140

City: Wilmington

State: DE

Zip: 19808

Phone Number: (302) 633-2771

Fax Number: (302) 633-2776

Email Address: rikapalka@tycoelectronics.com

**6. Total number of applications and patents involved:**

7. Total fee (37 CFR 1.21(h) & 3.41) \$40.00

- ☒ Authorized to be charged by credit card  
☐ Authorized to be charged to deposit account  
☐ Enclosed  
☐ None required (government interest not affecting title)

**8. Payment Information**

a. Credit Card Last 4 Numbers 8139

Expiration Date 01/2012

b. Deposit Account Number

Authorized User Name Charles H. Livingston  
Patent 12/351,382 DBYRNE 00000030 12351382

**9. Signature:**

Signature

Charles H. Livingston

Name of Person Signing

FC:8021

January 23, 2009

Date

Total number of pages including cover sheet, attachments, and documents: 9

Documents to be recorded (including cover sheet) should be faxed to (671) 273-0140, or mailed to:  
Mail Stop Assignment Recordation Services, Director of the USPTO, P.O. Box 1460, Alexandria, V.A. 22313-1460

7. Total fee (37 CFR 1.21(h) & 3.41)

- ☐ Authorized to be charged by credit card  
☐ Authorized to be charged to deposit account  
☐ Enclosed  
☐ None required (government interest not affecting title)

PATENT

REEL: 022224 FRAME: 0455

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O:ROBERT J. KAPALKA TYCO TECHNOLOGY RESOUR COMPANY:4550 NEW LINDEN HILL ROAD

## PATENT ASSIGNMENT

Electronic Version v1.1  
Stylesheet Version v1.101/09/2009  
500750532

| SUBMISSION TYPE:   | NEW ASSIGNMENT                           |               |                              |                     |                      |                        |            |                       |              |                         |            |
|--|--|---------------|------------------------------|---------------------|----------------------|------------------------|------------|-----------------------|--------------|-------------------------|------------|
| NATURE OF CONVEYANCE:  | ASSIGNMENT                               |               |                              |                     |                      |                        |            |                       |              |                         |            |
| CONVEYING PARTY DATA   |  |               |                              |                     |                      |                        |            |                       |              |                         |            |
| <table border="1"><thead><tr><th>Name</th><th>Execution Date</th></tr></thead><tbody><tr><td>Jason Edward Vrenna</td><td>01/09/2009</td></tr><tr><td>Justin Shane McClellan</td><td>01/09/2009</td></tr><tr><td>Daniel Robert Ringler</td><td>01/09/2009</td></tr><tr><td>Jason M'Cheyne Resinger</td><td>01/09/2009</td></tr></tbody></table> |  | Name          | Execution Date               | Jason Edward Vrenna | 01/09/2009           | Justin Shane McClellan | 01/09/2009 | Daniel Robert Ringler | 01/09/2009   | Jason M'Cheyne Resinger | 01/09/2009 |
| Name   | Execution Date                           |               |                              |                     |                      |                        |            |                       |              |                         |            |
| Jason Edward Vrenna  | 01/09/2009                               |               |                              |                     |                      |                        |            |                       |              |                         |            |
| Justin Shane McClellan   | 01/09/2009                               |               |                              |                     |                      |                        |            |                       |              |                         |            |
| Daniel Robert Ringler  | 01/09/2009                               |               |                              |                     |                      |                        |            |                       |              |                         |            |
| Jason M'Cheyne Resinger  | 01/09/2009                               |               |                              |                     |                      |                        |            |                       |              |                         |            |
| RECEIVING PARTY DATA   |  |               |                              |                     |                      |                        |            |                       |              |                         |            |
| <table border="1"><tr><td>Name:</td><td>Tyco Electronics Corporation</td></tr><tr><td>Street Address:</td><td>1050 Westlakes Drive</td></tr><tr><td>City:</td><td>Berwyn</td></tr><tr><td>State/Country:</td><td>PENNSYLVANIA</td></tr><tr><td>Postal Code:</td><td>19312</td></tr></table>  |  | Name:         | Tyco Electronics Corporation | Street Address:     | 1050 Westlakes Drive | City:                  | Berwyn     | State/Country:        | PENNSYLVANIA | Postal Code:            | 19312      |
| Name:  | Tyco Electronics Corporation             |               |                              |                     |                      |                        |            |                       |              |                         |            |
| Street Address:  | 1050 Westlakes Drive                     |               |                              |                     |                      |                        |            |                       |              |                         |            |
| City:  | Berwyn                                   |               |                              |                     |                      |                        |            |                       |              |                         |            |
| State/Country:   | PENNSYLVANIA                             |               |                              |                     |                      |                        |            |                       |              |                         |            |
| Postal Code:   | 19312                                    |               |                              |                     |                      |                        |            |                       |              |                         |            |
| PROPERTY NUMBERS Total: 1  |  |               |                              |                     |                      |                        |            |                       |              |                         |            |
| <table border="1"><thead><tr><th>Property Type</th><th>Number</th></tr></thead><tbody><tr><td>Application Number:</td><td>12351382</td></tr></tbody></table>   |  | Property Type | Number                       | Application Number: | 12351382             |                        |            |                       |              |                         |            |
| Property Type  | Number                                   |               |                              |                     |                      |                        |            |                       |              |                         |            |
| Application Number:  | 12351382                                 |               |                              |                     |                      |                        |            |                       |              |                         |            |
| CORRESPONDENCE DATA  |  |               |                              |                     |                      |                        |            |                       |              |                         |            |
| Fax Number:  | (302)633-2776                            |               |                              |                     |                      |                        |            |                       |              |                         |            |
| Correspondence will be sent via US Mail when the fax attempt is unsuccessful   |  |               |                              |                     |                      |                        |            |                       |              |                         |            |
| Phone:   | 302-633-2771                             |               |                              |                     |                      |                        |            |                       |              |                         |            |
| Email:   | ldavis@smalliplaw.com                    |               |                              |                     |                      |                        |            |                       |              |                         |            |
| Correspondent Name:  | ROBERT J. KAPALKA TYCO TECHNOLOGY RESOUR |               |                              |                     |                      |                        |            |                       |              |                         |            |
| Address Line 1:  | 4550 NEW LINDEN HILL ROAD                |               |                              |                     |                      |                        |            |                       |              |                         |            |
| Address Line 2:  | SUITE 140                                |               |                              |                     |                      |                        |            |                       |              |                         |            |
| Address Line 4:  | WILMINGTON, DELAWARE 19808               |               |                              |                     |                      |                        |            |                       |              |                         |            |
| ATTORNEY DOCKET NUMBER:  | E-CC-00612 (958-2329)                    |               |                              |                     |                      |                        |            |                       |              |                         |            |
| NAME OF SUBMITTER:   | Charles H. Livingston                    |               |                              |                     |                      |                        |            |                       |              |                         |            |
| Total Attachments: 3   |  |               |                              |                     |                      |                        |            |                       |              |                         |            |

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ROBERT J. KAPALKA TYCO TECHNOLOGY RESOUR. COMPANY 4550 NEW LINDEN HILL ROAD

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PATENT

REEL: 022224 FRAME: 0457

Attorney Dkt. No. E-CC-00612 (958-2329)

**ASSIGNMENT**

I/We, **JASON EDWARD VRENNA** residing at 4105 Cypress Road, Apt. M, Harrisburg, PA 17112, **JUSTIN SHANE McCLELLAN**, residing at 85 W. Lauer Lane, Camp Hill, PA 17011, **DANIEL ROBERT RINGLER**, residing at 11 Longbach Blvd., Elizbethville, PA 17023 and **JASON M'CHEYNE REISINGER** residing at 437 Rich Valley Road, Carlisle, PA 17015, have made certain inventions or discoveries (or both) set forth in an application for Letters Patent of the United States of America entitled:

**ELECTRICAL CONNECTOR FOR ELECTRONIC MODULES**

which application was executed by the inventors on the date of execution of this assignment, and is identified by Attorney Docket No. E-CC-00612 (958-2329) and Tyco Electronics Corporation whose address is 1050 Westlakes Drive, Berwyn, PA 19312 and which, together with its successors and assigns is hereinafter called "Assignee," is desirous of acquiring title, rights, benefits and privileges hereinafter recited, and of confirming the same or any part thereof heretofore acquired by Assignee.

**NOW, THEREFORE**, for valuable consideration furnished by Assignee to us, receipt and sufficiency of which we hereby acknowledge, we hereby, without reservation:

1. Assign and convey to and confirm in Assignee the entire right, title and interest in and to said inventions and discoveries, said application for Letters Patent of the United States of America, any and all other applications for Letters Patent on said inventions and discoveries in whatsoever countries, including all divisional, renewal, substitute, continuation and Convention applications based in whole or in part upon said inventions or discoveries or upon said applications, and any and all Letters Patent and reissues and extensions of Letters Patent granted for said inventions and discoveries or upon said applications; and every priority right that is or may be predicated upon or arise from said inventions, said discoveries, said applications and said Letters Patent;

Attorney Dkt. No. E-CC-00612 (958-2329)

2. Authorize Assignee to file patent applications in any or all countries on any or all of said inventions and discoveries in our name(s) or in the name of Assignee or otherwise as Assignee may deem advisable, under the International Convention or otherwise;

3. Authorize and request the Commissioner of Patents of the United States of America and the empowered officials of all other governments to issue or transfer all said Letters Patent to Assignee, as assignee of the entire right, title and interest therein or otherwise as Assignee may direct;

4. Warrant that we have not knowingly conveyed to others any right in said inventions, discoveries, applications or patents or any license to use the same or to make, use or sell anything embodying or utilizing any of said inventions or discoveries; and that we have good right to assign the same to Assignee without encumbrance;

5. Bind our heirs and legal representatives, as well as ourselves, to do, upon Assignee's request and at its expense, but without additional consideration to us or them, all acts reasonably serving to assure that the said inventions and discoveries, the said patent applications and the said Letters Patent shall be held and enjoyed by Assignee as fully and entirely as the same could have been held and enjoyed by me/us or my/our heirs or representatives if this assignment had not been made; and particularly to execute and deliver to Assignee all lawful application documents including petitions, specifications, and oaths, and all assignments, disclaimers, and lawful affidavits in form and substance as may be requested by Assignee; to communicate to Assignee all facts known to us relating to said inventions and discoveries or the history thereof; and to furnish Assignee with any and all documents, photographs, models, samples and other physical exhibits in our control or in the control of our heirs or legal representatives and which may be useful for establishing the facts of our conceptions, disclosures, and reduction to practice of said inventions and discoveries.

The effective date of this instrument is the latest date accompanying signature(s), hereinbelow.

our heirs and legal representatives, as well as ourselves, to do, upon Assignee's request and at its expense, but without additional consideration to us or them, all acts reasonably serving to assure that the said inventions and discoveries, the said patent applications and the said Letters Patent shall be held and enjoyed by Assignee as fully and entirely as the same could have been held and enjoyed by me/us or my/our heirs or representatives if this assignment had not been made; and particularly to execute and deliver to Assignee all lawful application documents including petitions, specifications, and oaths, and all assignments, disclaimers, and lawful affidavits in form and substance as may be requested by Assignee; to communicate to Assignee all facts known to us relating to said inventions and discoveries or the history thereof; and to furnish Assignee with any and all documents, photographs, models, samples and other physical exhibits in our control or in the control of our heirs or legal representatives and which may be useful for establishing the facts of our conceptions, disclosures, and reduction to practice of said inventions and discoveries.

**IN TESTIMONY WHEREOF, we have affixed our signature(s).**

Attorney Dkt. No. E-CC-00612 (958-2329)

Nathaniel J. [Signature] 1/9/09 Jason E. Vrenna 1/9/09  
 (Witness) (Date) JASON EDWARD VRENNA (Date)

Nathaniel J. [Signature] 1/9/09 Justin S. McClellan 1/9/09  
 (Witness) (Date) JUSTIN SHANE McCLELLAN (Date)

Nathaniel J. [Signature] 1/9/09 Daniel R. Ringler 1/9/09  
 (Witness) (Date) DANIEL ROBERT RINGLER (Date)

Nathaniel J. [Signature] 1/9/09 Jason M. Cheyne Reisinger 09-JAN-09  
 (Witness) (Date) JASON M'CHEYNE REISINGER (Date)

Attorney Dkt. No. E-CC-00612 (958-2329)

Jason E. Vrenna  
 JASON EDWARD VRENNA

Justin S. McClellan  
 JUSTIN SHANE McCLELLAN

Daniel R. Ringler  
 DANIEL ROBERT RINGLER

Jason M. Cheyne Reisinger  
 JASON M'CHEYNE REISINGER

PATENT