

10/21/03

RECORDATION FORM COVER SHEET

Director of the US Patent and Trademark Office

PATENTS ONLY

Express Mail No. EV299864597

Docket #MHM 13596US01 (AT Docket #20958-00021)

To the Director of Patents and Trademarks. Please record the attached original documents or copy thereof.

1. Name of conveying party(ies):

Anthony Joseph Valasek, James Edward Gundermann, Matthew Bryan Hitchcock and Roger A. Elmer

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

2. Name and address of receiving party(ies)

Name: Tyco Electronics Corporation

Street Address: 2901 Fulling Mill Road

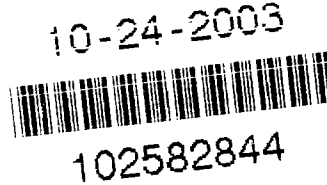
City: Middleton State: PA Zip: 17057

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

3. Nature of conveyance:

- Assignment  Merger
- Security Agreement  Change of Name
- Other

Execution Date: June 12, 2002, March 21, 2002, March 21, 2002 and September 29, 2002 respectively



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

If this document is being filed together with a new application, the execution date of the application is:

A. Patent Application No.(s)  
10/105,102; filed March 22, 2002

B. Patent No.(s)

Additional numbers attached?  Yes  No

5. Name and address of party 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: 19808-2952

6. Total number of application and patents involved:

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

- Enclosed
- Authorized to be charged to deposit account

8. Deposit account number:

01-2384

(Attach duplicate copy of this page if paying by deposit account)

2003 OCT 21 PM 1:06  
OPR/FINANCE

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9. Statement and signature.

To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.

Bruce T. Atkins

Name of Person Signing

Signature

October 21, 2003

Date

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

Mail documents to be recorded with required cover sheet information to: MAIL STOP ASSIGNMENT, Director of the US Patent and Trademark Office, PO Box 1450, Alexandria, VA 22313-14501

10/24/2003 MUELLER 00000042 012384 10105102

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PATENT  
REEL: 014616 FRAME: 0022

ASSIGNMENT

I/We, Anthony Joseph Valasek, Jr.; James Edward Gundermann; Glenn Richard Moore; Matthew Bryan Hitchcock, who all reside in Warren, Pennsylvania, USA; and Roger A. Elmer, who resides in Sugar Grove, Pennsylvania, USA,

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 WITH MULTIPLE  
PLUG AND SHROUD COMPARTMENTS**

which application was executed by the inventor on the date of execution of this assignment, and is identified by Attorney Docket Number Tyco Docket No. 00/2/001 (MHM 13596US01),

and Tyco Electronics Corporation

whose address is 2901 Fulling Mill Road, Middletown, PA 17057

and which, together with its successors and assigns is hereinafter called "Assignee", is desirous of acquiring the 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 me/us, receipt and sufficiency of which I/we hereby acknowledge, I/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;

2. Authorize Assignee to file patent applications in any or all countries on any or all of said inventions and discoveries in my/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 I/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 I/we have good right to assign the same to Assignee without encumbrance;

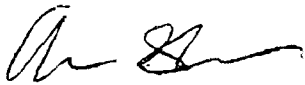
5. Bind my/our heirs and legal representatives, as well as myself/ourselves, to do, upon Assignee's request and at its expense, but without additional consideration to me/us or them, all acts reasonably serving to assure that the said inventions and discoveries, the said patent applications and the said 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 me/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 my/our control or in the control of my/our heirs or legal representatives and which may be useful for establishing the facts of my 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.

In testimony whereof I/we have affixed my/our signature(s).

Daniel C. Marti      6-12-02  
(Witness)                      (Date)

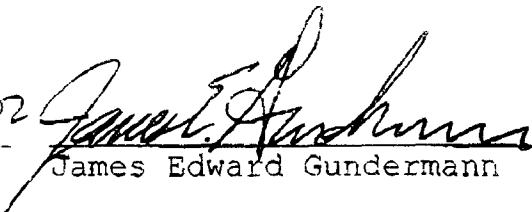
Anthony Joseph Valasek      6/12/02  
Anthony Joseph Valasek      (Date)



(Witness)

3-21-2002

(Date)

  
James Edward Gundermann

3-21-2002

(Date)

\_\_\_\_\_  
(Witness)

\_\_\_\_\_  
(Date)

\_\_\_\_\_  
Glenn Richard Moore

\_\_\_\_\_  
(Date)

ASSIGNMENT

- Page 5 -

**PATENT**  
**REEL: 014616 FRAME: 0027**

(Witness)

(Date)

Roger A. Elmer

(Date)

ASSIGNMENT

- Page 6 -

**PATENT**  
**REEL: 014616 FRAME: 0028**

Douglas Hardy  
(Witness)

03-01-02  
(Date)

Matthew Bryan Hitchcock  
Matthew Bryan Hitchcock

03-01-02  
(Date)



Docket No. 00/2/001 (MHM 13596US01)

ASSIGNMENT

I/We, Anthony Joseph Valasek , Jr. who resides in Warren, Pennsylvania; James Edward Gundermann who resides in Warren, Pennsylvania; Glenn Richard Moore who resides in Franklin, Pennsylvania; Matthew Bryan Hitchcock, who resides in Warren, Pennsylvania; and Roger A. Elmer, who resides in Russell, Pennsylvania

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 WITH MULTIPLE  
PLUG AND SHROUD COMPARTMENTS**

which application was executed by the inventor on the date of execution of this assignment, and is identified by Attorney Docket Number Tyco Docket No. 00/2/001 (MHM 13596US01),

and Tyco Electronics Corporation

whose address is 2901 Fulling Mill Road, Middletown, PA 17057

and which, together with its successors and assigns is hereinafter called "Assignee", is desirous of acquiring the 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 me/us, receipt and sufficiency of which I/we hereby acknowledge, I/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;

2. Authorize Assignee to file patent applications in any or all countries on any or all of said inventions and discoveries in my/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 I/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 I/we have good right to assign the same to Assignee without encumbrance;

5. Bind my/our heirs and legal representatives, as well as myself/ourselves, to do, upon Assignee's request and at its expense, but without additional consideration to me/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 me/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 my/our control or in the control of my/our heirs or legal representatives and which may be useful for establishing the facts of my 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.

In testimony whereof I/we have affixed my/our signature(s).

David A. W. A.

(Witness)

10/3/02

(Date)

Roger A. Elmer

Roger A. Elmer

9-29-02

(Date)