FORM PTO-1595 (Modified) (Rev. 03-01) OMB No. 0651-0027 (exp.5/31/200 P08/REV03

06-04-2002



Docket No.: 17628

U.S. DEPARTMENT OF COMMERCE

Patent and Trademark Office

Tab settings → → →	_	•	▼	▼	▼	▼
To the Honorable Commission	ner of Patents ar	nd Trademarks:	Please record	the attached origin	al documents or cop	by thereof.
1. Name of conveying party(ies) Michael W. Fogg, David M. W Kurt T. Zarbock, and Kevin J	/iebking, Randy . Peterson			d address of receivi	J. J. ,	
	518	9.02	Name: 1	yco Electronics Cor	poration	
	2.2	100	Internal A	ddress:		
Additional names(s) of conveying part	y(ies)	Yes 🛭 No				W
3. Nature of conveyance:						
Assignment	☐ Merge	er	Street Add	dress: 2901 Fulling	Mill Road	
☐ Security Agreement	☐ Chang	ge of Name				
☐ Other			City: Mid	dletown	State: PA ZIF	P: 17057
Execution Date: 4/15/02;2/19/0	2;2/19/02;2/22/02	2;2/19/02	Additional na	me(s) & address(es) a	attached?	⊠ No
4. Application number(s) or pate	ent numbers(s):					
If this document is being filed	together with a	new application	, the execution	date of the applica	tion is:	
A. Patent Application No.(s)			В. Р	atent No.(s)		
10/060,006						
05/31/2002 MBERHE 00000110 1006						
01 FC:581	40.00 OF					
	Addition	nal numbers attac	hed?	s 🗵 No		
Name and address of party to concerning document should		ondence	6. Total num	ber of applications	and patents involved	d: I
Name: Robert J. Kapalka			7. Total fee	(37 CFR 3.41):	\$ 40.00	
Internal Address: Tyco Technology Resources			Enclosed - Any excess or insufficiency should be credited or debited to deposit account			
			☐ Autho	orized to be charged	to deposit account	
Street Address: 4550 New L	inden Hill Road.	Suite 450		ccount number:	-	
Street Address. 4556 New E.			02-0387			
				inlicate copy of this page	e if paying by deposit acc	count)
City: Wilmington	State: DE_	ZIP: 19808				•
			USE THIS SPAC			
Statement and signature.To the best of my knowledge	and belief, the	foregoing inform	nation is true ar	nd correct and any a	attached copy is a tr	ue copy
of the original document.		50	<u>M</u>		5/20/02	
Eric J. Groen, Reg. No. 32,23		-	Signatura		Date	
Name of Person Sig	ning	including cover s	Signature heet. attachmer	nts, and document:	11	

Mail documents to be recorded with required cover sheet information to: Commissioner of Patents & Trademarks, Box Assignments

I/We, Michael W. Fogg, David M. Wiebking, Randy G. Simmons, Kurt T. Zarbock, and Kevin J. Peterson, who reside at Harrisburg, Pennsylvania; Kernersville, North Carolina; Lewisville, North Carolina; Advance, North Carolina; and High Point, North Carolina, respectively, have made certain inventions or discoveries (or both) set forth in an application for Letters Patent of the United States of America entitled

CONNECTOR INTERFACE AND RETENTION SYSTEM FOR HIGH-DENSITY CONNECTOR

which application was executed by the inventor on the date of execution of this assignment, and is identified by Attorney Docket Number 17628, 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

SBIMAN1/91058_1.DOC

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

Michael F. C	ino 4-15-02	Mosta At togg	 04.15-2102
(Witness) (Witness)	(Date) (Date)	Michael W. Fogg	<u>04 15 2002</u> (Date)
(Witness)	(Date)	David M. Wiebking	(Date)
(Witness)	(Date)		
(Witness)	(Date)	Randy G. Simmons	(Date)
(Witness)	(Date)		
(Witness)	(Date)	Kurt T. Zarbock	(Date)
(Witness)	(Date)		
(Witness)	(Date)	Kevin J. Peterson	(Date)
(Witness)	(Date)		

I/We, Michael W. Fogg, David M. Wiebking, Randy G. Simmons, Kurt T. Zarbock, and Kevin J. Peterson, who reside at Harrisburg, Pennsylvania; Kernersville, North Carolina; Lewisville, North Carolina; Advance, North Carolina; and High Point, North Carolina, respectively, have made certain inventions or discoveries (or both) set forth in an application for Letters Patent of the United States of America entitled

CONNECTOR INTERFACE AND RETENTION SYSTEM FOR HIGH-DENSITY CONNECTOR

which application was executed by the inventor on the date of execution of this assignment, and is identified by Attorney Docket Number 17628, 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

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

(Witness)	(Date)	Michael W. Fogg	(Date)
(Witness)	(Date)		
(Witness) Mak A. Hunling (Witness)	2/19/02 (Date) 2/19/02 (Date)	David M. Wiebking	2/19/2) (Date)
(Witness)	(Date)	Randy G. Simmons	(Date)
(Witness)	(Date)	Kurt T. Zarbock	(Date)
(Witness)	(Date)	Kevin J. Peterson	(Date)

I/We, Michael W. Fogg, David M. Wiebking, Randy G. Simmons, Kurt T. Zarbock, and Kevin J. Peterson, who reside at Harrisburg, Pennsylvania; Kernersville, North Carolina; Lewisville, North Carolina; Advance, North Carolina; and High Point, North Carolina, respectively, have made certain inventions or discoveries (or both) set forth in an application for Letters Patent of the United States of America entitled

CONNECTOR INTERFACE AND RETENTION SYSTEM FOR HIGH-DENSITY CONNECTOR

which application was executed by the inventor on the date of execution of this assignment, and is identified by Attorney Docket Number 17628, 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

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

(Witness)	(Date)	Michael W. Fogg	(Date)
(Witness)	(Date)		
(Witness)	(Date)	David M. Wiebking	(Date)
(Witness)	(Date)		
(Witness) Youf Cunta (Witness)	(bate) (bate) 2/19/02 (Date)	Randy G. Simmons	yu., <u>Z-19</u> 02 (Date)
(Witness)	(Date)	Kurt T. Zarbock	(Date)
(Witness)	(Date)		
(Witness)	(Date)	Kevin J. Peterson	(Date)
(Witness)	(Date)		

I/We, Michael W. Fogg, David M. Wiebking, Randy G. Simmons, Kurt T. Zarbock, and Kevin J. Peterson, who reside at Harrisburg, Pennsylvania; Kernersville, North Carolina; Lewisville, North Carolina; Advance, North Carolina; and High Point, North Carolina, respectively, have made certain inventions or discoveries (or both) set forth in an application for Letters Patent of the United States of America entitled

CONNECTOR INTERFACE AND RETENTION SYSTEM FOR HIGH-DENSITY CONNECTOR

which application was executed by the inventor on the date of execution of this assignment, and is identified by Attorney Docket Number 17628, 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 Assignce all

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

(Witness)	(Date)	Michael W. Fogg	(Date)
(Witness)	(Date)		
(Witness)	(Date)	David M. Wiebking	(Date)
(Witness)	(Date)		
(Witness)	(Date)	Randy G. Simmons	(Date)
(Witness)	(Date)		
(Witness) (Witness)	$\frac{2/2\sqrt{oc}}{(\text{Date})}$ $\frac{2/22/o2}{(\text{Date})}$	Kurt T. Zarbock Kurt T. Zarbock	<u>7./22/52</u> (Date)
(Witness)	(Date)	Kevin J. Peterson	(Date)
(Witness)	(Date)		

I/We, Michael W. Fogg, David M. Wiebking, Randy G. Simmons, Kurt T. Zarbock, and Kevin J. Peterson, who reside at Harrisburg, Pennsylvania; Kernersville, North Carolina; Lewisville, North Carolina; Advance, North Carolina; and High Point, North Carolina, respectively, have made certain inventions or discoveries (or both) set forth in an application for Letters Patent of the United States of America entitled

CONNECTOR INTERFACE AND RETENTION SYSTEM FOR HIGH-DENSITY CONNECTOR

which application was executed by the inventor on the date of execution of this assignment, and is identified by Attorney Docket Number 17628, 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 assignce 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

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

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

(Witness)	(Date)	Michael W. Fogg	(Date)
(Witness)	(Date)		
(Witness)	(Date)	David M. Wiebking	(Date)
(Witness)	(Date)		
(Witness)	(Date)	Randy G. Simmons	(Date)
(Witness)	(Date)		
(Witness)	(Date)	Kurt T. Zarbock	(Date)
(Witness)	(Date)	2 /	
Kennoth W. Jongl. (Witness)	(Date) - 2(19(07)	Kevin J. Peterson	<u> 1/19/200</u> 2 (Date)

SBIMAN1/91058_1.DOC

RECORDED: 05/29/2002

- Page 2 -

PATENT REEL: 012936 FRAME: 0341