

PATENT ASSIGNMENT

Electronic Version v1.1

Stylesheet Version v1.1

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>Hiroshi Shirai</td><td>07/21/2005</td></tr><tr><td>Shinichi Hashimoto</td><td>07/21/2005</td></tr></tbody></table>	Name	Execution Date	Hiroshi Shirai	07/21/2005	Shinichi Hashimoto	07/21/2005	
Name	Execution Date						
Hiroshi Shirai	07/21/2005						
Shinichi Hashimoto	07/21/2005						
RECEIVING PARTY DATA							
Name:	TYCO Electronics AMP K.K.						
Street Address:	3-5-8, Hisamoto						
Internal Address:	Takatsu-ku, Kawasaki-shi						
City:	Kanagawa-ken 213-8535						
State/Country:	JAPAN						
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>11218877</td></tr></tbody></table>	Property Type	Number	Application Number:	11218877			
Property Type	Number						
Application Number:	11218877						
CORRESPONDENCE DATA							
Fax Number:	(610)889-3696						
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>							
Phone:	(610) 722-3899						
Email:	hsalamone@barley.com						
Correspondent Name:	Salvatore Anastasi						
Address Line 1:	1000 Westlakes Drive						
Address Line 2:	Suite 275						
Address Line 4:	Berwyn, PENNSYLVANIA 19312						
ATTORNEY DOCKET NUMBER:	21334-1516						
NAME OF SUBMITTER:	Salvatore Anastasi						
Total Attachments: 2 source=21334-1516 Assignment#page1.tif source=21334-1516 Assignment#page2.tif							

CH \$40.00 11218877

PATENT

500074916

REEL: 017101 FRAME: 0697

(E-CC-00017US)

ASSIGNMENT

I/We, Hiroshi Shirai & Shinichi Hashimoto

who reside at

Saitama, Japan (H. Shirai)
Kanagawa, Japan (S. Hashimoto)

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

which application was executed by the inventor(s) on the date(s) or execution of this assignment and is identified by Tyco Electronics AMP K.K. File Number E-CC-00017 and **Japanese Patent Application No. 2004-257774** filed on **September 3, 2004**.

and Tyco Electronics AMP K.K.
whose address is 3-5-8, Hisamoto, Takatsu-ku, Kawasaki-shi, Kanagawa-ken 213-8535, Japan

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 patent application in Japan, 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 predicted 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 names or in the name of Assignee or otherwise as Assignee may deem advisable, under the International Convention or otherwise;

3. Authorize and request the empowered officials of all 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 or 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 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 control or in the control of my/our heirs or legal representatives and which may be useful for establishing the facts of my conceptions, disclosure, and reduction to practice of said inventions and discoveries.

The effective date of this instrument is August 20, 2004.

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

<u>J. Sekita</u>	<u>Jul. 21 '05</u>	<u>Hiroshi Shirai</u>	<u>Jul 21, 2005</u>
(Witness)	(Date)	(Inventor)Hiroshi Shirai	(Date)

<u>H. Tazudini</u>	<u>Jul. 21 '05</u>
(Witness)	(Date)

<u>J. Sekita</u>	<u>Jul. 26 '05</u>	<u>Shinichi Hashimoto</u>	<u>Jul 21, 2005</u>
(Witness)	(Date)	(Inventor)Shinichi Hashimoto	(Date)

<u>H. Tazudini</u>	<u>Jul. 21 '05</u>
(Witness)	(Date)