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mer for Patents:

22388 U.S. PTO

10/662006



09/12/03

1. Name of conveying party:

Hiroshi Shirai
Shinichi Hashimoto
Hidenori Taguchi

9-12-03

2. Name and address of receiving party:

Tyco Electronics AMP K.K.
3-5-8, Hisamoto, Takatsu-ku
Kawasaki-shi, Kanagawa-ken, 213-8535
JAPAN

3. Nature of conveyance: ASSIGNMENT

Execution Date: 9/2/2002

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: 9/12/2003

A. Patent Application No.(s):

B. Patent No.(s):

Filing Date:

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

JoAnn F. Dilloway
Barley, Snyder, Senft & Cohen, LLC
126 East King Street
Lancaster, PA 17602-2893

6. Total number of applications and patents involved: 1

7. Total fee (37 CFR 1.21(h)) \$40.00
Payment is enclosed

8. Please charge any additional amount to Deposit Account #501581

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.

Total number of pages including cover sheet, attachments, and document: 4

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Docket No. 21334-1255

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PATENT
REEL: 014500 FRAME: 0699

ASSIGNMENT

I/We, Hiroshi Shirai, Shinichi Hashimoto, Hidenori Taguchi

who reside at

3-32-15-205, Higashitokorozawa, Tokorozawa-shi, Saitama-ken, 359-0021,
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have made certain inventions or discoveries (or both) set forth in an application for
Letters Patent of the United States of America entitled:

"LGA SOCKET CONTACT"

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 **51567/A**
and **Japanese Patent Application No. 2002-267103 / 2003-193009** filed on **September**
12, 2002 / July 7, 2003 .

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 September 2, 2002.

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

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