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RECORDATION COVER SHEET

Please record the attached original document or copy thereof.

U.S. PTO
09/330906
06/11/99

1. Name of Party(ies) conveying an interest:

Timothy W. Ellis
Nikhil Murdeshwar
Mark A. Eshelman

Additional name(s) of Parties attached? No

2. Name and Address of Party(ies) receiving an interest:

Kulicke & Soffa Investments, Inc
300 Delaware Ave., Suite 533
Wilmington, DE 19801-1822

Additional name(s) and address(es) of Parties attached? No

3. Description of interest conveyed:

Assignment Change of Name
 Security Agreement Merger

Other _____ Execution Date: June 4, 1999

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

Additional numbers attached? No
If this document is being filed together with a new application, the execution date of the application is: _____

A. Patent Application No.(s)

B. Patent No.(s)

09/330906

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

Peter J. Butch III, Esq.
Synesweat & Lechner LLP
2600 Aramark Tower
Philadelphia, PA 19107

6. Number of applications & patents involved: _____

7. Total Fee (37 C.F.R. §3.41):
\$40.00

Enclosed: Check No. _____
Authorized to be Charged:

8. Deposit account number: 19-5425
(Attach duplicate copy of this form if paying by deposit acct.)

DO NOT USE THIS SPACE

9. I declare under penalty of perjury under the laws of the United States of America that the foregoing is true and correct.

Dated: June 11, 1999

Peter J. Butch III
Peter J. Butch III
Registration No. 32,203

Total number of pages including cover sheet, attachments, and document: 3

ASSIGNMENT

WHEREAS, **TIMOTHY W. ELLIS**, a citizen of the United States, residing at 11 Versailles Circle, Doylestown, PA 18901; **NIKHIL MURDESHWAR**, a citizen of India, residing at 1578 Grovenia Avenue, Abington, PA 19001; and **MARK A. ESHELMAN**, a citizen of the United States, residing at 112 Grays Lane, Lansdale, PA 19446, as assignors, have invented improvements found in a U.S. Provisional Patent Application naming the above inventors entitled:

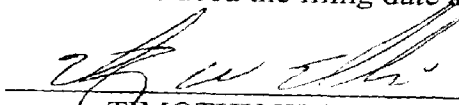
SEMICONDUCTOR COPPER BOND PAD SURFACE PROTECTION

which is being filed in the U.S. Patent and Trademark Office herewith;

AND WHEREAS, **KULICKE & SOFFA INVESTMENTS, INC.**, a corporation of the State of Delaware, located and doing business at 300 Delaware Avenue, Suite 533, Wilmington, Delaware 19801-1622, as assignee, is desirous of acquiring all right, title and interest in and to said invention and any Letters Patent that may be granted therefor.

NOW THEREFORE, in consideration of One Dollar (\$1.00) and other good and valuable consideration, the receipt of which is hereby acknowledged, I as assignor hereby sell, assign and set over to said assignee the entire right, title and interest for the United States of America and all other countries in and to said invention and the aforesaid provisional patent application for any and all original, divisional, continuation, substitute or reissue applications and patents applied for and granted therefor in the United States and all other countries, for said invention, including without limitation all applications and patents for said invention claiming priority or benefit of the aforesaid provisional patent application pursuant to any law or treaty, and the Commissioner of Patents and Trademarks is hereby authorized and requested to issue all patents on said improvements or resulting from therefrom to said assignee herein, as assignee of the entire interest therein; and the undersigned for him and his legal representatives, heirs and assigns do hereby agree and covenant without further remuneration, to execute and deliver all original, divisional, continuation, reissue and other applications for Letters Patent on said improvements and all assignments thereof to said assignee or assigns, to communicate to said assignee or its representatives all facts known to the undersigned respecting said improvements, whenever requested, to testify in any interferences or other legal proceedings in which any of said applications or patents may become involved, to sign all lawful papers, make all rightful oaths, and to do generally everything necessary to assignee, its successors, assigns and nominees to obtain patent protection for said improvements in all countries, the expenses incident to said applications to be borne and paid by said assignee.

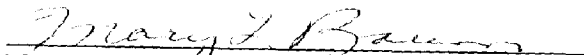
And I do hereby authorize my attorneys, to insert on this deed the filing date and serial number of said application when known.


TIMOTHY W. ELLIS

County of Montgomery:

State of Pennsylvania:

On the 4th day of June, 1999, appeared before me in person the above-named **TIMOTHY W. ELLIS** and acknowledged the above to be his signature and that he signed, sealed and delivered the above instrument as his voluntary act and deed and for uses and purposes therein set forth.


Notary Public or Other official
Authorized to Administer Oaths

SEAL

Notarial Seal
Mary L. Baum, Notary Public
Upper Dublin Twp., Montgomery Cour
Commission Expires June 15, 2000
Member, Pennsylvania Association of Notaries

Nikhil Murdeshwar

NIKHIL MURDESHWAR

County of Montgomery :

State of Pennsylvania :

On the 4th day of June, 1999, appeared before me in person the above-named **NIKHIL MURDESHWAR** and acknowledged the above to be his signature and that he signed, sealed and delivered the above instrument as his voluntary act and deed and for uses and purposes therein set forth.

SEAL

Mary L. Baum

Notary Public or Other official
Authorized to Administer Oaths

Notarial Seal
Mary L. Baum, Notary Public
Upper Dublin Twp., Montgomery County
My Commission Expires June 15, 2000
Member, Pennsylvania Association of Notaries

Mark A. Eshelman

MARK A. ESHELMAN

County of Montgomery :

State of Pennsylvania :

On the 4th day of June, 1999, appeared before me in person the above-named **MARK A. ESHELMAN** and acknowledged the above to be his signature and that he signed, sealed and delivered the above instrument as his voluntary act and deed and for uses and purposes therein set forth.

SEAL

Mary L. Baum

Notary Public or Other official
Authorized to Administer Oaths

Notarial Seal
Mary L. Baum, Notary Public
Upper Dublin Twp., Montgomery County
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