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To the Honorable Commissioner of Patents a

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...al documents or copy thereof

1. Name of conveying party(ies):

Rakesh Batish
Andrew F. Hmiel
Glen Sandgren
Walt VonSeggern
C. Scott Kulicke

Additional name(s) of conveying party(ies) attached? [] YES [X] NO

2. Name and address of receiving party(ies):

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Country: USA

Additional name(s) & address(es) attached? [] YES [X] NO

3. Nature of Conveyance:

- [X] Assignment [] Merger
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[] Correction of Assignment Recordation
[] Other

Execution Date: (1) 1/12/04; (2) 1/08/04; (3) 1/12/04; 12/30/03; and (5) 1/13/04

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 Number(s) 10/686,974 B. Patent Number(s)

Additional number(s) attached? [] YES [X] NO

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

Name: Jacques L. Etkowicz
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City: Wilmington State: DE
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6. Total number of applications and patents involved: 1

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

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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.

Jacques L. Etkowicz 41,738

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Total Number of Pages including cover sheet, attachments and documents: 3

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ASSIGNMENT - Patent ApplicationDocket Number: **K&S-120US**

Whereas, the Assignor, comprising the following named inventors:

ASSIGNOR(s)/ INVENTOR(s)	1. Rakesh Batish	2. Andrew F. Hmiel
	3. Glenn Sandgren	4. Walt VonSeggren
	5. C. Scott Kulicke	6.

made an invention entitled: **SYSTEM AND METHOD FOR REDUCING OR ELIMINATING SEMICONDUCTOR DEVICE WIRE SWEEP**

for which an application for Letters Patent of the United States:

(Select one of the following):

- is executed concurrently herewith
 was filed in the U.S. Patent and Trademark Office on October 16, 2003
as U.S. Patent Application Serial No.: 10/686,974

ASSIGNEE
(Full Name and Address)**Kulicke & Sofa Investments, Inc.
Little Falls Center Two
Suite 3165
2571 Centerville Road
Wilmington, DE 19808**

is desirous of acquiring the entire interest in and to said invention and the Letters Patent to be obtained therefor,

Now, therefore, in consideration of the payment by Assignee to Assignor of a sum corresponding to One Dollar (\$1.00), and for other good and valuable consideration, the receipt of which is hereby acknowledged, Assignor, intending to be legally bound, hereby sells, assigns and transfers to Assignee, its successors and assigns the full and exclusive right, title and interest in and to said invention, all applications for Letters Patent for said invention, including all divisions, continuations, and continuations-in-part thereof, all rights to claim priority based thereon, and all Letters Patent, including reissues, to be obtained therefor, including any and all foreign patent rights in this invention corresponding thereto.

Assignor hereby warrants that no assignment, sale, agreement or encumbrance has been or will be made or entered into which would conflict with this Assignment.

Assignor agrees it shall be legally bound, upon request of the Assignee or its successors or assigns or a legal representative thereof, to supply all information and evidence of which the Assignor has knowledge or possession, relating to the making and practice of said invention, to testify in any legal proceeding relating thereto, to execute all instruments proper to patent the invention in the United States of America and foreign countries in the name of the Assignee, and to execute all instruments proper to carry out the intent of this instrument.

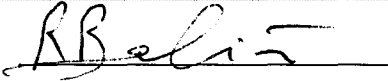
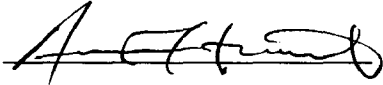
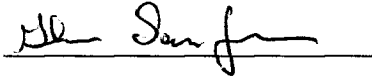
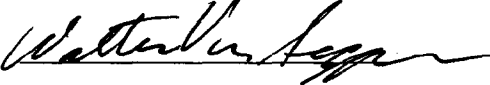

If the invention requires a biological deposit, Assignor also grants to Assignee such control over any deposit made by Assignor as may be necessary to the validity of the patent rights assigned herein.

ASSIGNMENT - Patent ApplicationDocket Number: **K&S-120US**

Assignor authorizes Assignor's attorney to insert at the end hereof, the serial number and filing date of the aforesaid application for United States Letters Patent and/or the Attorney Docket or file designation for this application if not identified above.

If the Assignor includes more than one individual, these obligations shall apply to these individuals both individually and collectively.

In witness whereof, this Assignment is executed on the day indicated below.

Typed or Printed Name	Signature	Date
1. Rakesh Batish		<u>1/12/04</u>
	* Witness to Assignor #1	
2. Andrew F. Hmiel		<u>1/8/04</u>
	* Witness to Assignor #2	
3. Glenn Sandgren		<u>1/12/04</u>
	* Witness to Assignor #3	
4. Walt VonSeggern		<u>12/30/03</u>
	* Witness to Assignor #4	
5. C. Scott Kulicke		<u>1/13/04</u>
	* Witness to Assignor #5	
6.		
	* Witness to Assignor #6	

SIGNATURE

Application for United States Letters Patent:

Serial No.: 10/686,974

Filed: October 16, 2003

Attorney Docket Number: **K&S-120US**Total Number of Assignment Pages 2

* Witness signature recommended, mandatory for some countries