

12/7/00
K&S-103US

12-22-2000



PATENT ONLY

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RE 101559413 JT
PATENTS ONLY

To the Honorable Commissioner of Patents and Trademarks. Please record the attached original documents or copy thereof

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| <p>1. Name of conveying party(ies): (1) <u>Eli Razon</u>, (2) <u>Vaughn Svendsen</u>, (3) <u>Krishnan Suresh</u>, (4) <u>Robert Kowtko</u>, (5) <u>Kyle Dury</u></p> <p>Additional name(s) of conveying party(ies) attached? <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO</p> <p>3. Nature of Conveyance: <input checked="" type="checkbox"/> Assignment <input type="checkbox"/> Merger <input type="checkbox"/> Security Agreement <input type="checkbox"/> Change of Name <input type="checkbox"/> Correction of Assignment Recordation (previously recorded at Reel _____, Frame _____). <input type="checkbox"/> Other</p> <p>Execution Date: (1) 11/13/00, (2) 10/27/00, (3) 10/27/00, (4) 11/7/00, (5) 10/27/00</p> | <p>2. Name and address of receiving party(ies): Name: <u>Kulicke & Soffa Investments, Inc.</u> Internal Address: Street Address: <u>300 Delaware Avenue, Suite 533</u> City: <u>Wilmington</u> State: <u>Delaware</u> ZIP: <u>19801-1622</u></p> <p>Additional name(s) & address(es) attached? <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO</p> |
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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: 8/11/00
 A. Patent Application Number(s) 09/636,667 B. Patent Number(s) _____

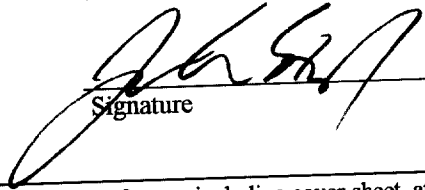
Additional number(s) attached? YES NO

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| <p>5. Name and address of party to whom correspondence concerning document should be mailed: Name: <u>Jacques L. Etkowicz</u></p> <p>Internal Address: <u>Ratner & Prestia</u></p> <p>Street Address: <u>Suite 301, One Westlakes, Berwyn,</u> <u>P.O. Box 980</u> City: <u>Valley Forge</u> State: <u>PA</u> ZIP: <u>19482-0980</u></p> | <p>6. Total number of applications and patents involved: <u>1</u></p> <p>7. Total fee (37 CFR 3.41): \$ <u>40.00</u> <input checked="" type="checkbox"/> Enclosed <input type="checkbox"/> Authorized to be charged to deposit account</p> <p>8. Deposit account number: <u>18-0350</u> (Attach duplicate copy of this page if paying by deposit account.)</p> |
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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.

Jacques L. Etkowicz
 Name of Person Signing
41,738
 Registration. No.


 Signature

11/29/00
 Date

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

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Commissioner of Patents and Trademarks
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12/21/2000 NTHA11 00000205 09636667
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ASSIGNMENT

WHEREAS, I/we, Eli Razon, of 1478 Dillon Road, Maple Glen, Pennsylvania 19002; Vaughn Svendsen of 235 E. Park Avenue, Ambler, Pennsylvania 19002; Krishnan Suresh of 2601 Blair Mill Road, Apt. D-7, Willow Grove, Pennsylvania 19090; Robert Kowtko of 1305 Welsh Road, Warrington, Pennsylvania 18976; Kyle Dury of 205 Log Pond Lane, Newtown, Pennsylvania 18940 (hereinafter collectively referred to as "**ASSIGNOR**") have made an invention entitled **SOLDER BALL DELIVERY AND REFLOW APPARATUS AND METHOD**, for which, on even date herewith, the **ASSIGNOR** executed an application for United States Letters Patent;

WHEREAS, the **ASSIGNEE**, Kulicke & Soffa Investments, Inc. 300 Delaware Ave., Suite 533, Wilmington, DE 19801-1622 a corporation organized and existing under and by virtue of the laws of the State of Delaware, 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 One Dollar (\$1.00) and of other good and valuable consideration, the receipt of which is hereby acknowledged, the undersigned, intending to be legally bound, does hereby sell, assign and transfer to the **ASSIGNEE** the **ASSIGNOR'S** entire right, title and interest, for the United States of America, its territories and possessions, and for all foreign countries, in said invention, including said patent application, all divisions and continuations thereof, all rights to claim priority based thereon, all rights to file foreign applications on said invention, and all letters patent and reissues thereof, issuing for said invention in the United States of America and in any and all foreign countries.

It is agreed that **ASSIGNOR** shall be legally bound, upon request and at the expense of the **ASSIGNEE** or its successors or assigns or a legal representative thereof, to supply all information and evidence of which the undersigned 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 and do such other acts as may be necessary and 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.

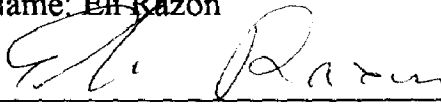
Because **ASSIGNOR** includes more than one person, these obligations shall apply to those persons both individually and collectively.

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.

IN WITNESS WHEREOF, this Assignment is executed on the day indicated below.

ASSIGNOR #1:

Typed Name: Eli Razon

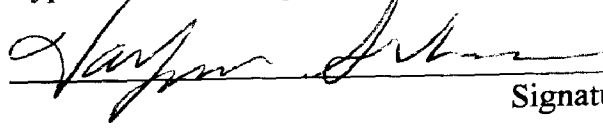


Signature

Date: Nov - 13 - 2000

ASSIGNOR #2:

Typed Name: Vaughn Svendsen

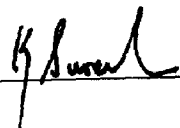


Signature

Date: October 27, 2000

ASSIGNOR #3:

Typed Name: Krishnan Suresh



Signature

Date: 10/27/00

ASSIGNOR #4:

Typed Name: Robert Kowtko

Robert Kowtko
Signature

Date: 11/7/00

ASSIGNOR #5:

Typed Name: Kyle Dury

K Kyle Dury
Signature

Date: 10.27.00