

PATENT ASSIGNMENT

Electronic Version v1.1
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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>Dominick A. DeAngelis</td> <td>02/01/2012</td> </tr> <tr> <td>Gary W. Schulze</td> <td>02/01/2012</td> </tr> </tbody> </table>		Name	Execution Date	Dominick A. DeAngelis	02/01/2012	Gary W. Schulze	02/01/2012
Name	Execution Date						
Dominick A. DeAngelis	02/01/2012						
Gary W. Schulze	02/01/2012						
RECEIVING PARTY DATA							
Name:	Kulicke and Sofa Industries, Inc.						
Street Address:	1005 Virginia Drive						
City:	Fort Washington						
State/Country:	PENNSYLVANIA						
Postal Code:	19034						
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>13388148</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	13388148		
Property Type	Number						
Application Number:	13388148						
CORRESPONDENCE DATA							
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Address Line 2:	Christopher Spletzer						
Address Line 4:	Fort Washington, PENNSYLVANIA 19034						
ATTORNEY DOCKET NUMBER:	KSI-542US						
NAME OF SUBMITTER:	Christopher M. Spletzer, Sr.						
Total Attachments: 2 source=signed542assignment#page1.tif source=signed542assignment#page2.tif							

OP \$40.00 13388148

ASSIGNMENT - Patent Application

Docket Number: KSI-542US

Whereas, the Assignor, comprising the following named inventors:

ASSIGNOR(s)/ INVENTOR(s)	1. DeAngelis, Dominick A.	2. Schulze, Gary W.
	3.	4.
	5.	6.

made an invention entitled: **ULTRASONIC TRANSDUCERS FOR WIRE BONDING AND METHODS OF FORMING WIRE BONDS USING ULTRASONIC TRANSDUCERS**

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 January 31, 2012,

as U.S. Patent Application Serial No.: 13/388,148.

ASSIGNEE
(Full Name and Address)

KULICKE AND SOFFA INDUSTRIES, INC.
1005 Virginia Drive
Fort Washington, PA 19034
United States of America

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.


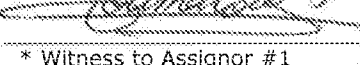

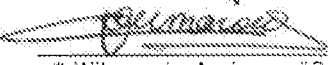
ASSIGNMENT - Patent Application

Docket Number: **KSI-542US**

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. DeAngelis, Dominick A.		2/1/12
	 * Witness to Assignor #1	2/1/2012
2. Schulze, Gary W.		2/1/12
	 * Witness to Assignor #2	2/1/2012
3.	_____	_____
	_____	_____
	* Witness to Assignor #3	
4.	_____	_____
	_____	_____
	* Witness to Assignor #4	
5.	_____	_____
	_____	_____
	* Witness to Assignor #5	
6.	_____	_____
	_____	_____
	* Witness to Assignor #6	

SIGNATURE

Application for United States Letters Patent:

Serial No.: 13/388,148

Filed: January 31, 2012

Attorney Docket Number: KSI-542US

Total Number of Assignment Pages 2

* Witness signature recommended, mandatory for some countries