

**PATENT ASSIGNMENT**

Electronic Version v1.1  
 Stylesheet Version v1.1

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT														
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT														
<b>CONVEYING PARTY DATA</b>															
<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th style="width:70%;">Name</th> <th>Execution Date</th> </tr> </thead> <tbody> <tr> <td>Sergey D. Lopatin</td> <td>09/29/2004</td> </tr> <tr> <td>Robert Fiordalice</td> <td>12/10/2004</td> </tr> <tr> <td>Faivel Pintchovski</td> <td>03/11/2005</td> </tr> <tr> <td>Igor Ivanov</td> <td>10/01/2004</td> </tr> <tr> <td>Wen Z. Kong</td> <td>10/01/2004</td> </tr> <tr> <td>Artur Kolics</td> <td>10/01/2004</td> </tr> </tbody> </table>		Name	Execution Date	Sergey D. Lopatin	09/29/2004	Robert Fiordalice	12/10/2004	Faivel Pintchovski	03/11/2005	Igor Ivanov	10/01/2004	Wen Z. Kong	10/01/2004	Artur Kolics	10/01/2004
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Wen Z. Kong	10/01/2004														
Artur Kolics	10/01/2004														
<b>RECEIVING PARTY DATA</b>															
<b>Name:</b>	KLA-TENCOR TECHNOLOGIES CORPORATION														
<b>Street Address:</b>	One Technology Drive														
<b>City:</b>	Milpitas														
<b>State/Country:</b>	CALIFORNIA														
<b>Postal Code:</b>	95035														
<b>PROPERTY NUMBERS Total: 1</b>															
<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th style="width:30%;">Property Type</th> <th>Number</th> </tr> </thead> <tbody> <tr> <td>Application Number:</td> <td>10990273</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	10990273										
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<b>CORRESPONDENCE DATA</b>															
<b>Fax Number:</b>	(408)738-0881														
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>															
<b>Phone:</b>	408-738-0592														
<b>Email:</b>	efiling@ishimarulaw.com														
<b>Correspondent Name:</b>	Mikio Ishimaru														
<b>Address Line 1:</b>	The Law Offices of Mikio Ishimaru														
<b>Address Line 2:</b>	1110 Sunnyvale-Saratoga Rd., Ste. A1														
<b>Address Line 4:</b>	Sunnyvale, CALIFORNIA 94087														
<b>NAME OF SUBMITTER:</b>	Mikio Ishimaru														

CH \$40.00 10990273

**Total Attachments: 9**

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## ASSIGNMENT

WHEREAS, the undersigned (hereinafter termed Assignor(s)) has/have invented certain new and useful improvements in

### NANO-ELECTRODE-ARRAY FOR INTEGRATED CIRCUIT INTERCONNECTS

for which a United States patent application has been executed on or before the date of this assignment.

WHEREAS, KLA-TENCOR TECHNOLOGIES CORPORATION, a Corporation of the State of California, having a place of business at One Technology Drive, Milpitas, California 95035, (hereinafter termed Assignee), is desirous of acquiring the entire right, title and interest in and to said application and said invention and improvements thereon, and in and to Letters Patents thereon when granted in the United States and foreign countries.

NOW, THEREFORE, for good and valuable consideration received by said Assignor(s) from said Assignee, the receipt of which is hereby acknowledged by said Assignor(s):

1. Said Assignor(s) does hereby sell, assign, transfer and convey unto said Assignee, the entire right, title and interest in and to said application and said invention and in and to any and all improvements on said invention and in and to any and all improvements on said invention heretofore or hereafter made or acquired by said Assignor(s); and in and to any and all Letters Patent on said invention and/or said improvements that may be granted in the United States or any foreign country, including each and every Letters Patent granted on any application which is a division, continuation, substitution, renewal, or continuation-in-part of any said application, and in and to each and every reissue or extension of said Letters Patent.
2. Said Assignor(s) hereby covenants and agrees to cooperate with said Assignee where said Assignee may enjoy to the fullest extent the right, title and interest herein conveyed. Such cooperation shall include (a) prompt execution of all papers (prepared at the expense of Assignee) which are deemed necessary or desirable by Assignee to perfect in it the right, title and interest herein conveyed, (b) prompt execution of all petitions, oaths, specifications or other papers (prepared at the expense of Assignee) which are deemed necessary or desirable by assignee for prosecuting said application, for filing and prosecuting divisional, continuation, substitution, renewal, continuation-in-part, or additional applications in the United States and/or foreign countries covering said invention and/or said improvements, for filing and prosecuting applications for reissuance of letters patent included herein, or for interference proceedings involving said invention and/or said improvements and (c) prompt assistance and cooperation in the prosecution of interference proceedings involving said invention and/or said improvements and in the adjudication of said Letters Patent, particularly by the disclosure of facts and the production of evidence relating to said invention and/or said improvements, provided the expenses which may be incurred by said Assignor(s) in lending such assistance and cooperation shall be paid by the Assignee.
3. The terms, covenants and conditions of this assignment shall inure to the benefit of said Assignee, its successors, assigns and/or other legal representatives and shall be binding upon said Assignor(s), his/her heirs, legal representatives and assigns.
4. Said Assignor(s) hereby warrants and represents that he/she has not entered into any assignment, contract or understanding in conflict herewith.



Date of Execution of Declaration for Patent Application: \_\_\_\_\_

(3) \_\_\_\_\_

Faivel Pintchovski

State of \_\_\_\_\_ )

} ss

County of \_\_\_\_\_ )

On \_\_\_\_\_ before me, \_\_\_\_\_,

(name and title of officer)

personally appeared Faivel Pintchovski, personally known to me (or proved to me on the basis of satisfactory evidence) to be the persons whose names is subscribed to the within instrument and acknowledged to me that he/she executed the same in his/her authorized capacity(ies), and that by his/her signatures on the instrument the persons, or the entity upon behalf of which the persons acted, executed the instrument.

WITNESS my hand and official seal.

Signature \_\_\_\_\_

\*\*\*\*\*

Date of Execution of Declaration for Patent Application: Oct. 1, 2001

(4) \_\_\_\_\_

Igor Ivanov

State of California )

} ss

County of Santa Clara )

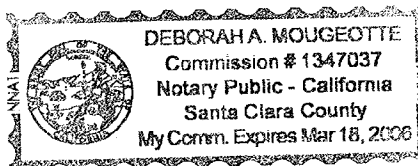
On October 1, 2004 before me, Deborah A. Mougeotte, Notary Public,

(name and title of officer)

personally appeared Igor Ivanov, personally known to me (or proved to me on the basis of satisfactory evidence) to be the persons whose names is subscribed to the within instrument and acknowledged to me that he/she executed the same in his/her authorized capacity(ies), and that by his/her signatures on the instrument the persons, or the entity upon behalf of which the persons acted, executed the instrument.

WITNESS my hand and official seal.

Signature Deborah A. Mougeotte



\*\*\*\*\*

Date of Execution of Declaration for Patent Application: 10/01/04

(5) Wen Kong  
Wen Z. Kong

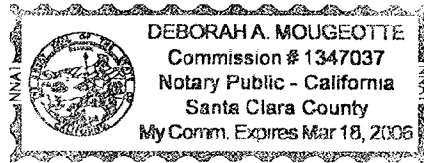
State of California )  
County of Santa Clara ) ss

On October 1, 2004 before me, Deborah A. Mougeotte, Notary Public,  
(name and title of officer)

personally appeared Wen Z. Kong, personally known to me (or proved to me on the basis of satisfactory evidence) to be the persons whose names is subscribed to the within instrument and acknowledged to me that he/she executed the same in his/her authorized capacity(ies), and that by his/her signatures on the instrument the persons, or the entity upon behalf of which the persons acted, executed the instrument.

WITNESS my hand and official seal.

Signature Deborah A. Mougeotte



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Date of Execution of Declaration for Patent Application: 10.01.04

(6) Artur Kolics  
Artur Kolics

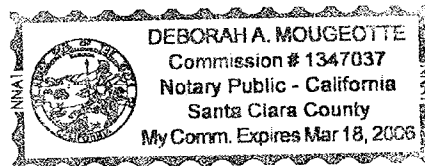
State of California )  
County of Santa Clara ) ss

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(name and title of officer)

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4. Said Assignor(s) hereby warrants and represents that he/she has not entered into any assignment, contract or understanding in conflict herewith.

IN WITNESS WHEREOF, the said Inventors have executed this instrument on the date of acknowledgement before the Notary Public as given below and delivered this instrument to said Assignees.

Date of Execution of Declaration for Patent Application: \_\_\_\_\_

(1) \_\_\_\_\_  
Sergey D. Lopatin

State of \_\_\_\_\_ )

} ss

County of \_\_\_\_\_ )

On \_\_\_\_\_ before me, \_\_\_\_\_,  
*(name and title of officer)*

personally appeared Sergey D. Lopatin, personally known to me (or proved to me on the basis of satisfactory evidence) to be the persons whose names is subscribed to the within instrument and acknowledged to me that he/she executed the same in his/her authorized capacity(ies), and that by his/her signatures on the instrument the persons, or the entity upon behalf of which the persons acted, executed the instrument.

WITNESS my hand and official seal.

Signature \_\_\_\_\_

\*\*\*\*\*



Date of Execution of Declaration for Patent Application: \_\_\_\_\_

(2) \_\_\_\_\_  
Robert Fiordalice

State of \_\_\_\_\_ )

County of \_\_\_\_\_ )

} ss

On \_\_\_\_\_ before me, \_\_\_\_\_  
*(name and title of officer)*

personally appeared Robert Fiordalice, personally known to me (or proved to me on the basis of satisfactory evidence) to be the persons whose names is subscribed to the within instrument and acknowledged to me that he/she executed the same in his/her authorized capacity(ies), and that by his/her signatures on the instrument the persons, or the entity upon behalf of which the persons acted, executed the instrument.

WITNESS my hand and official seal.

Signature \_\_\_\_\_

\*\*\*\*\*

Date of Execution of Declaration for Patent Application: \_\_\_\_\_

(3) F. S. J. K.  
Faivel Pintchovski

Witness Name: J. R. Yeargain

Signature: J. R. Yeargain Date: March 11, 2005

Witness Name: Patricia A. Yeargain

Signature: Patricia A. Yeargain Date: March 11, 2005

\*\*\*\*\*

Date of Execution of Declaration for Patent Application: \_\_\_\_\_

(4) \_\_\_\_\_  
Igor Ivanov



Artur Kolics

State of \_\_\_\_\_ )  
 County of \_\_\_\_\_ ) } ss

On \_\_\_\_\_ before me, \_\_\_\_\_,  
*(name and title of officer)*

personally appeared Artur Kolics, personally known to me (or proved to me on the basis of satisfactory evidence) to be the persons whose names is subscribed to the within instrument and acknowledged to me that he/she executed the same in his/her authorized capacity(ies), and that by his/her signatures on the instrument the persons, or the entity upon behalf of which the persons acted, executed the instrument.

WITNESS my hand and official seal.

Signature \_\_\_\_\_

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