# Electronic Version v1.1 Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

## **CONVEYING PARTY DATA**

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

## **RECEIVING PARTY DATA**

Name:	KLA-TENCOR TECHNOLOGIES CORPORATION
Street Address:	One Technology Drive
City:	Milpitas
State/Country:	CALIFORNIA
Postal Code:	95035

## PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	10990273

## **CORRESPONDENCE DATA**

Fax Number: (408)738-0881

Correspondence will be sent via US Mail when the fax attempt is unsuccessful.

Phone: 408-738-0592

Email: efiling@ishimarulaw.com

Correspondent Name: Mikio Ishimaru

Address Line 1: The Law Offices of Mikio Ishimaru

Address Line 2: 1110 Sunnyvale-Saratoga Rd., Ste. A1

Address Line 4: Sunnyvale, CALIFORNIA 94087

NAME OF SUBMITTER: Mikio Ishimaru

PATENT REEL: 015816 FRAME: 0147

500024689

10990

\$40.00

# Total Attachments: 9 source=33-002 Executed Assignment#page1.tif source=33-002 Executed Assignment#page2.tif source=33-002 Executed Assignment#page3.tif source=33-002 Executed Assignment#page4.tif source=33-002 Executed Assignment#page5.tif source=33-002 Executed Assignment#page6.tif source=33-002 Executed Assignment#page7.tif source=33-002 Executed Assignment#page8.tif source=33-002 Executed Assignment#page8.tif

PATENT REEL: 015816 FRAME: 0148 Docket No.: 33-002

# **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, <u>KLA-TENCOR TECHNOLOGIES CORPORATION</u>, a Corporation of the State of <u>California</u>, having a place of business at <u>One Technology Drive</u>, <u>Milpitas</u>, <u>California 95035</u>, (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 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.

Page 1 of 4

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	f Execution of Declaration for	Patent Application:	9/29/2004
		(1) <u>Sergy</u> Sergey D. Lopatin	Cohertin
		Sergey D. Lonatin	1
State of	<u>California</u> )	Sergey B. Lepum	•
	}ss		
County of	Santa Clara)		
On <u>S</u>	uptember 29, 2004 before	me, <u>Deborato A</u> (name and title	Mougeatle, Notary Publica e of officer)
personally approf satisfactor instrument an capacity(ies),	peared Sergey D. Lopatin, person y evidence) to be the person d acknowledged to me that leand that by his/her signatures	onally known to me one whose names in he/she executed the on the instrument the	(or proved to me on the basis s subscribed to the within same in his/per authorized
behalf of which	th the persons acted, executed t	the instrument.	
WITNESS my	hand and official seal.		DEBORAH A. MOUGEOTTE Commission # 1347037
Signature <u>(</u>	Rehoude a. Mongeott		Notary Public - California Santa Clara County My Comm. Expires Mar 18, 2008
***	·********************	*******	*******
Date o	f Execution of Declaration for	Patent Application:	
		(2) Pohert F	widolne
		Robert Fiordalice	
State of	Californa)		
County of	Santa Clara		
On D	comper 10, 2004 before	me, <u>Femul</u>	3100, Notary Public
of satisfactor instrument ar capacity(ies),	peared Robert Fiordalice, person y evidence) to be the person and acknowledged to me that and that by his/her signatures the the persons acted, executed	onally known to me one whose names he/she executed the on the instrument the	(or proved to me on the basis is subscribed to the within a same in his/her authorized
WITNESS m	y hand and official seal.		KERRY BIRD Commission # 1519975 Notary Public - California
Signature )	Core Bird	Ž P	Santa Clara County My Comm. Expires Oct 17, 2008

Date of	Execution of Declaration for Patent Application:
	(3)
	(3) Faivel Pintchovski
State of	)
	$\}_{ss}$
County of	)
On	before me,,
	before me,,  (name and title of officer)
basis of satisf instrument and capacity(ies), a	peared <u>Faivel Pintchovski</u> , personally known to me (or proved to me on the actory evidence) to be the persons whose names is subscribed to the within d acknowledged to me that he/she executed the same in his/her authorized and that by his/her signatures on the instrument the persons, or the entity upon h the persons acted, executed the instrument.
WITNESS my	hand and official seal.
Sionature	
•	*****************
	f Execution of Declaration for Patent Application:  (4)  Igor Ivanov
State of	California)
County of	California ) ss Santa Clara )
On <u>(</u>	October 1, 2004 before me, Deborah A. Mougestte, Notary Public, (name and title of officer)
personally app satisfactory ev and acknowle and that by h	peared <u>Igor Ivanov</u> , personally known to me (or proved to me on the basis of vidence) to be the persons whose names is subscribed to the within instrument edged to me that he/she executed the same in his/her authorized capacity(ies), his/her signatures on the instrument the persons, or the entity upon behalf of sons acted, executed the instrument.
WITNESS my	y hand and official seal.  DEBORAHA MOUGEOTTE Commission # 1347037 Notary Public - California Santa Clara County
Signature	Deborale a. Morgette My Comm. Expires Mar 18, 2006
****	***************************************

Date of Execution of Declaration for Patent Application:
(5) Wer V
Wen Z. Kong
State of <u>California</u> )
State of <u>California</u> )  State of <u>Senta Clara</u> )  Solution of <u>Senta Clara</u> )
On October 1, 2004 before me, Deborah A. Mougeotte, Notary Pubic,  (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.  DEBORAH A. MOUGEOTTE Commission # 1347037 Notary Public - California
Signature Albarah a. Muyeotte  Signature Albarah a. Muyeotte
***************************************
Date of Execution of Declaration for Patent Application:
(6) Inter holices
Artur Kolics
State of <u>California</u> )
County of Santa Clava  On October 1, 2004 before me, Deborah A. Mougeoffe, Notary Public, (name and title of officer)  personally appeared Artur Kolics, personally known to me (or proved to me on the basis of
On October 1, 2004 before me, Deborah A. Mougeoffe, Notary Public,
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.  WITNESS my hand and official seal.  DEBORAH A. MOUGEOTTE Commission # 1347037 Notary Public - California Santa Clara County My Comm. Expires Mar 18, 2006
Signature Deboub a. Mougeotte

\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

19403

Docket No.: 33-002

## 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, <u>KLA-TENCOR TECHNOLOGIES CORPORATION</u>, a Corporation of the State of <u>California</u>, having a place of business at <u>One Technology Drive</u>, <u>Milpitas</u>, <u>California 95035</u>, (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.

PATENT REEL: 015816 FRAME: 0153

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 Execu	tion 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 e	evidence) to be the persons whose names is subscribed to the within
instrument and acknowledge	owledged 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 pe	ersons acted, executed the instrument.
WITNESS my hand au	nd official seal.
Signature	

Date of Execution of Declaration for Patent Application:
(2)
(2)
State of )
· · · · · · · · · · · · · · · · · · ·
S ss
County of)
On before me.
On before me, (name and title of officer)
personally appeared Robert Fiordalice, personally known to me (or proved to me on the bas
of satisfactory evidence) to be the persons whose names is subscribed to the with
instrument and acknowledged to me that he/she executed the same in his/her authorize
capacity(ies), and that by his/her signatures on the instrument the persons, or the entity upobehalf of which the persons acted, executed the instrument.
or which are persons acced, executed the histrament.
WITNESS my hand and official seal.
Gt
Signature
***************************************
Date of Everytian of Declaration for Detact Aug.
Date of Execution of Declaration for Patent Application:
3) F. = 5 1/th
Faivel Pintchovski
TR Marie a
Witness Name: J.R. Yeargain  Signature: Date: Manch 11, 2005
Signatura Ole By Grand Ward 11 2005
Signature: Date: Date:
- A 1/
Witness Name: Patricia A. Yeargain  Signature: Patricia a. Yeargain  Date: March 11, 2005
D+11 0 71
Signature: Values U. Ylangain Date: March 11, 2003
V ************************************
Date of Execution of Declaration for Patent Application:
(4)
Igor Ivanov
<del>-</del>

Docket No.: 33-002 ASSIGNMENT State of County of \_\_\_\_\_ before me, \_\_\_ (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 \* Date of Execution of Declaration for Patent Application: Wen Z. Kong State of County of \_\_\_\_\_ before me, \_\_\_ (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 \_\_\_

161

Date of Execution of Declaration for Patent Application:

\*

Docket No.: 33-002

**RECORDED: 03/24/2005** 

	Artur Kolics
State of	
County of	) )
On	before me,
and acknowledge that by his/her	cared Artur Kolics, personally known to me (or proved to me on the basis of dence) to be the persons whose names is subscribed to the within instrument sed to me that he/she executed the same in his/her authorized capacity(ies), and signatures on the instrument the persons, or the entity upon behalf of which d, executed the instrument.
WITNESS my h	and and official seal.
Signature	
*****	*******

PATENT REEL: 015816 FRAME: 0157