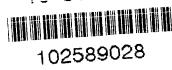
# ASSIGNMENT R

-P



Commissioner of Patents:

10.20.03

Please record the attached document.

Attorney Docket No. NOVLP 68/NVLS-000818

1.	Name of conveying party:
	a) Daniel A. Koos
	b) Steven T. Mayer
	c) Heung L. Park
	d) Timothy Patrick Cleary
	e) Thomas Mountsier
2.	Name and address of receiving party:
	a) Name: Novellus Systems, Inc.
	Address: 3970 North First Street, San Jose, CA 95134
3.	Nature of conveyance:
	Security Agreement Change of Name
	Other License Agreement
	Execution Date:
	a) 10/6/03
	b) 10/7/03
	c) 10/13/03
	d) 10/6/03
	e) 10/6/03
	,
4.	Application Number or Patent Number: NEW 10690084
	The title of the application is:
	METHOD FOR FABRICATION OF SEMICONDUCTOR INTERCONNECT STRUCTURE WITH REDUCED CAPACITANCE, LEAKAGE CURRENT, AND IMPROVED BREAKDOWN VOLTAGE
5.	Please send all correspondence concerning this document to:
	Beyer Weaver & Thomas, LLP P.O. Box 778 Berkeley, CA 94704-0778 Ph: (510) 843-6200 Fax: (510) 843-6203 Customer Number: 022434
6.	Total number of applications and patents involved: 1
7.	Total fee (37 CFR 3.41): \$40.00
	Enclosed.  Any additional fees are authorized to be charged to Deposit Account No. 500388 (Order No. NOVLP068).
Date:	October 20, 2003
ns praecana	Jefffey K. Weaver
o takt	Registration No. 31,314
	(0.50.05.1

## ASSIGNMENT OF PATENT APPLICATION

Whereas I, an undersigned inventor, have invented certain new and useful improvements as set forth in the patent application entitled:

## METHOD FOR FABRICATIONS OF SEMICONDUCTOR INTERCONNECT STRUCTURE WITH REDUCED CAPACITANCE, LEAKAGE CURRENT, AND IMPROVED BREAKDOWN VOLTAGE

(Atty. Docket No. NOVLP068/NVLS-000818), (check one)
for which I have executed a U.S. patent application on even date herewith. (Accompanying) which bears U.S. application No (Not accompanying) which is a U.S. provisional application. (Accompanying)
For good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, I, an undersigned inventor, hereby:
1) Sell, assign and transfer to <u>Novellus Systems</u> , <u>Inc.</u> , a California corporation having a place of business at <u>3970 North First Street</u> , <u>San Jose</u> , <u>California 95134</u> ("ASSIGNEE"), the entire right, titl and interest in any and all improvements and inventions disclosed in, applications based upon, and patents granted upon (including foreign patents and the right to claim priority), the above-referenced application.
2) Authorize and request the Commissioner of Patents to issue any and all United States Patents resulting from said application or any division, continuation, substitute, renewal, re-examination or reissue thereof to the ASSIGNEE.
3) Agree to execute all papers and documents and, entirely at the ASSIGNEE's expense, perform any acts which are reasonably necessary in connection with the prosecution of said application, as well as any derivative applications thereof, foreign applications based thereon, and/or the enforcement of patents resulting from such applications.
4) Agree that the terms, covenants and conditions of this assignment shall inure to the benefit of the ASSIGNEE, its successors, assigns and other legal representatives, and shall be binding upon the inventor, as well as the inventor's heirs, legal representatives and assigns.

Warrant and represent that I have not entered and will not enter into any assignment, contract,

Authorize and request my attorney/agent to insert above the application No. in order to assist

Signed on the date indicated beside my signature.

or understanding that conflicts with this assignment.

Revised 01/02, Assign US Notary

with recordal of this assignment.

1. Inventor Signature: Sunfl Know Date: 10/6/03  Daniel A. Koos
State of Arizona )
County of Muricepa.
On this gth day of
2. Inventor Signature: T. Mayor Date: 10/7/07
State of Oregon
County of Checkamw) ss.
On this 8th day of October, in the year 2003, before me, Deboie Simpson, Notary Public personally appeared Steven T. Mayer, personally known to me (or proved to me on the basis of satisfactory evidence) to be the person whose name 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 signature on the instrument the person, or the entity upon behalf of which the person acted, executed the instrument.  WITNESS my hand and official seal.  Notary Signature  DEBBIE SIMPSON Notary Public - Arizona Maricopa County Expires 02/15/06
3. Inventor Signature: Date:
State of Oregon  On this day of, in the year 200, before me,, Notary Public, personally appeared Heung L. Park, personally known to me (or proved to me on the basis of satisfactory evidence) to be the person whose name 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 signature on the instrument the person, or the entity upon behalf of which the person acted, executed the instrument.  WITNESS my hand and official seal.
Notary Signature (SEAL)

Revised 01/02, Assign US Notary

4. Inventor Signature: Junt Patrick () Timothy Patrick Cleary	Date: <u>/0-6-03</u>
State of Oregon	1
, , , , ,	
County of )	
County of	, in the year 200, before me
, Notary Public, personally	appeared Timothy Patrick Cleary, personally
known to me (or proved to me on the basis of satisfactory	· •
subscribed to the within instrument, and acknowledged	
his/her authorized capacity(ies), and that by his/her signa	
entity upon behalf of which the person acted, executed the	instrument.
WITNESS my hand and official seal.	
Notary Signature	(SEAL)
E Immondan Cimmodonia	Deter
5. Inventor Signature: Thomas Mountsier	Date:
i nomas iviountstei	
State of California	
) ss.	
County of	
	, in the year 200, before me,
, Notary Public, personal	ly appeared Thomas Mountsier, personally
known to me (or proved to me on the basis of satisfactory	
subscribed to the within instrument, and acknowledged	
his/her authorized capacity(ies), and that by his/her signa	
entity upon behalf of which the person acted, executed the	instrument.
WITNESS my hand and official seal.	
Notary Signature	(SEAL)
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#### ASSIGNMENT OF PATENT APPLICATION

Whereas I, an undersigned inventor, have invented certain new and useful improvements as set forth in the patent application entitled:

## METHOD FOR FABRICATIONS OF SEMICONDUCTOR INTERCONNECT STRUCTURE WITH REDUCED CAPACITANCE, LEAKAGE CURRENT, AND IMPROVED BREAKDOWN VOLTAGE

for which I have executed a U.S. patent application on even date herewith. (Accompanying) which bears U.S. application No (Not accompanying) which is a U.S. provisional application. (Accompanying)
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1) Sell, assign and transfer to <u>Novellus Systems, Inc.</u> , a California corporation having a place of business at <u>3970 North First Street, San Jose, California 95134</u> ("ASSIGNEE"), the entire right, title and interest in any and all improvements and inventions disclosed in, applications based upon, and patents granted upon (including foreign patents and the right to claim priority), the above-referenced application.
2) Authorize and request the Commissioner of Patents to issue any and all United States Patents resulting from said application or any division, continuation, substitute, renewal, re-examination or reissue thereof to the ASSIGNEE.
3) Agree to execute all papers and documents and, entirely at the ASSIGNEE's expense, perform any acts which are reasonably necessary in connection with the prosecution of said application, as well as any derivative applications thereof, foreign applications based thereon, and/or

- 4) Agree that the terms, covenants and conditions of this assignment shall inure to the benefit of the ASSIGNEE, its successors, assigns and other legal representatives, and shall be binding upon the inventor, as well as the inventor's heirs, legal representatives and assigns.
- 5) Warrant and represent that I have not entered and will not enter into any assignment, contract, or understanding that conflicts with this assignment.
- 6) Authorize and request my attorney/agent to insert above the application No. in order to assist with recordal of this assignment.

Signed on the date indicated beside my signature.

the enforcement of patents resulting from such applications.

(Atty. Docket No. NOVLP068/NVLS-000818), (check one)

Revised 01/02, Assign US Notary

1. Inventor Signature:			<b>Date</b> :
Daniel A.	Koos		
State of Arizona	)	ss.	
County of			
me,, N	lotary Public	, personally ap	
known to me (or proved to me on the least subscribed to the within instrument, are his/her authorized capacity(ies), and the entity upon behalf of which the person WITNESS my hand and official	nd acknowled nat by his/her nacted, execu	dged to me that signature on t	t he/she executed the same in he instrument the person, or the
Notary Signature			(SEAU)
2. Inventor Signature: Steven T.	Mayer		Date:
State of Oregon			
County of	) )	SS.	
			n the year 200, before me ed Steven T. Mayer, personally known
to me (or proved to me on the basi subscribed to the within instrument, his/her authorized capacity(ies), and the entity upon behalf of which the person WITNESS my hand and official	s of satisfact and acknow that by his/hat acted, execu	tory evidence ledged to me er signature o	) to be the person whose name is that he/she executed the same in the instrument the person, or the
Notary Signature			(SEAL)
3. Inventor Signature: Heung L	Park		Date: 10-13-03
State of Oregon	`		
County of Washington  On this 13 day of County of Washington, Notary  to me (or proved to me on the basis subscribed to the within instrument, his/her authorized capacity(ies), and the entity upon behalf of which the person WITNESS may hand and official Notary Signature	y Public, per s of satisfac and acknow hat by his/ha acted, execu	sonally appear tory evidence) ledged to me er signature or	to be the person whose name is that he/she executed the same in the instrument the person, or the
Revised 01/02, Assign US Notary	g <b>/</b>		PAMELA JO JEFFERSON NOTARY PUBLIC-OREGON COMMISSION NO. 338932 MY COMMISSION EXPIRES OCT. 20, 2004

4. Inventor Signature:	Date:
4. Inventor Signature:  Timothy Patrick Cleary	
State of Oregon ) sa	
County of)	••
County of	, in the year 200, before me
, Notary Public, perso	nally appeared Timothy Patrick Cleary, personally
known to me (or proved to me on the basis of satisfac	
subscribed to the within instrument, and acknowled his/her authorized capacity(ies), and that by his/her	
entity upon behalf of which the person acted, executed	
WITNESS my hand and official seal.	
Notary Signature	(SEAL)
Induity Digitature	(3.2 day 5.3 day)
5. Inventor Signature: Thomas Mountsier	Date:
Thomas Mountsier	
State of California	
) ss	s.
County of day of	
On this day of	, in the year 200, before me
known to me (or proved to me on the basis of satisfactions)	onally appeared Thomas Mountsier, personally
subscribed to the within instrument, and acknowled	lord to me that he/she executed the same in
his/her authorized capacity(ies), and that by his/her	signature on the instrument the person, or the
entity upon behalf of which the person acted, executed	the instrument.
WITNESS my hand and official seal.	
Notary Signature	(SEAL)

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(Atty. Docket No. NOVLP068/NVLS-000818), (check one)
☐ for which I have executed a U.S. patent application on even date herewith. (Accompanying) ☐ which bears U.S. application No (Not accompanying) ☐ which is a U.S. provisional application. (Accompanying)
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- 1) Sell, assign and transfer to <u>Novellus Systems</u>, <u>Inc.</u>, a California corporation having a place of business at <u>3970 North First Street</u>, <u>San Jose</u>, <u>California 95134</u> ("ASSIGNEE"), the entire right, title and interest in any and all improvements and inventions disclosed in, applications based upon, and patents granted upon (including foreign patents and the right to claim priority), the above-referenced application.
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Signed on the date indicated beside my signature.

Revised 01/02, Assign US Notary

1. Inventor Signature:	Date:
1. Inventor Signature: Daniel A. Koos	
State of Arizona )	SS.
County of)	
me,, Notary Public known to me (or proved to me on the basis of satis subscribed to the within instrument, and acknowle his/her authorized capacity(ies), and that by his/he entity upon behalf of which the person acted, executive within the person acted, executive within the person acted.	edged to me that he/she executed the same in er signature on the instrument the person, or the
Notary Signature	(SEAL)
2. Inventor Signature:Steven T. Mayer	Date:
State of Oregon	
County of)	SS.
, Notary Public per to me (or proved to me on the basis of satisfa subscribed to the within instrument, and acknown	nsonally appeared Steven T. Mayer, personally known actory evidence) to be the person whose name is wledged to me that he/she executed the same in the signature on the instrument the person, or the cuted the instrument.
Notary Signature	(SEAL)
3. Inventor Signature: Heung L. Park	Date:
State of Oregon	
County of) On this day ofNotary Public, ps	ss, in the year 200, before me, ersonally appeared Heung L. Park, personally known
to me (or proved to me on the basis of satisfa subscribed to the within instrument, and acknowledge)	actory evidence) to be the person whose name is wledged to me that he/she executed the same in her signature on the instrument the person, or the

Revised 01/02, Assign US Notary

4. Inventor Signature:	Date:
4. Inventor Signature: Timothy Patrick Cleary	
State of Oregon	
)	SS.
	, in the year 200, before me, ersonally appeared Timothy Patrick Cleary, personally
known to me (or proved to me on the basis of sat subscribed to the within instrument, and ackno	isfactory evidence) to be the person whose name is wledged to me that he/she executed the same in her signature on the instrument the person, or the
Notary Signature	(SEAL)
5. Inventor Signature:  Thornas Mounts der	Date: 10/6/03
State of California	
known to me (or proved to me on the basis of sat subscribed to the within instrument, and ackno his/her authorized capacity(ies), and that by his/ entity upon behalf of which the person acted, exec WITNESS my hand and official seal.	
Notary Signature Celia Buches	e (SEAL)
CELIA BUCHINSKI Commission # 1397009 Notary Public - California \$ Santa Clara County My Comm. Expires Jan 28, 2007	

Revised 01/02, Assign US Notary

**RECORDED: 10/20/2003**