OCT. 26. 2006 3:57PM 5106630920

NO. 905 P. 3/13

#### ASSIGNMENT RECORDATION COVER SHEET -PATENTS ONLY-

Commissioner of Patents:

Please record the attached document.

- 1. Name of conveying party:
  - a) Glenn Alers
  - b) Nerissa Draeger
  - c) Julia Carolus for Michael Carolus (deceased)
- 2. Name and address of receiving party:
  - a) Name: Novellus Systems, Inc. Address: 3970 North First Street San Jose, California 95134
- Nature of conveyance:

🗙 Assig	iment	
Secur.	ty Agreement	Γ
Other		_ [

Merger Change of Name License Agreement

Execution Date: September 14, 2006 and September 22, 2006

4. Application Number or Patent Number: 11/506,761

The title of the application is: SELECTIVE CAPPING OF COPPER.

5. Please send all correspondence concerning this document to:

Beyer Weaver & Thomas, LLP P.O. Box 70250 Oakland, CA 94612-0250 Customer Number: 022434

- 6. Total number of applications and patents involved: 1
- 7. Total fee (37 CFR 3.41): <u>\$40.00</u>



Enclosed. Charge to Deposit Account No. 500388 (Order No. NOVLP171). Any additional fees are authorized to be charged to Deposit Account No. 500388 (Order No. NOVLP171).

Date: October 26, 2006

Denise S. Bergin Registration No. 50,581

Total number of pages including this cover sheet, attachments and documents: 05

Attorney Docket No. NOVLP171/NVLS-3162

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PATENT REEL: 018455 FRAME: 0921 ÷.,

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PAGE 003/008

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- b) Nerissa Draeger
- c) Michael Carolus (deceased)
- Name and address of receiving party:
  - a) Name: Novellús Systems, inc. Address: 3970 North First Street San Jose, California 95134
- 3. Nature of conveyance:
  - Assignment [ Security Agreement [ Other

Merger Change of Name License Agreement

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  - Enclosed

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- Any additional fees are authorized to be charged to Deposit Account No. 500388 (Order No. NOVLP171).
- Date: October 4, 2006

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Denise S. Bergin Registration No. 50,581

Total number of pages including this cover sheet, attachments and documents: 05

Attorney Docket No. NOVLP171/NVLS-3162

REEL: 018455 FRAME: 0922

## ASSIGNMENT OF PATENT APPLICATION

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

#### SELECTIVE CAPPING OF COPPER

(Atty. Docket No. NOVLP171/NVLS-3162), (check one)

for which I have executed a U.S. patent application on even date herewith. (Accompanying)
which bears U.S. application No. 11/506,761. (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 **Novellus Systems, Inc.**, a California corporation having a place of business at 3970 North First Street, San Jose, California 95134 ("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 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.

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.

PATENT REEL: 018455 FRAME: 0923

Revised 01/02, Assign US Notary

CT. 26. 2006 3:57PM 5106630920	NO.905 P. 5/13
1. Inventor Signature:	
1. Inventor Signature:	Date: $\frac{7/74706}{7}$
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State of California ) ) ss.	
County of <u>Santra Clarpa</u> )	
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On this <u>14</u> <sup>th</sup> day of <u>Stephen BER</u> . Notary Public, personally	, in the year 2000, before the, appeared Glenn Alers, personally known
to me (or proved to me on the basis of satisfactory evi	dence) to be the person whose name is
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 i	
WITNESS my hand and official seal.	JAN K. ROGERS Commission # 1598855
·	200 Anthe Notary Public - Colfornia
Notary Signature - June K. Regins	- Ny Comm, Explice Aug 1, 2009
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2. Inventor Signature: Neisen Inun	Date: <u>9/14/66</u>
Nerissa Draeger	
State of California )	
) ss.	
County of <u>Sanora CLARA</u> )	
On this 15th day of September	in the year 2006 before me
An K Regers , Notary Public personally	, in the year 2000, before me, v appeared Nerissa Draeger, <del>personaliv</del>
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WITNESS my hand and official seaf.	Notary Public - California
Notary Signature fan K. Rogers	Sonta Clara County My Comm, Explans Aug 1, 200
3. Inventor Signature:	Date:
3. Inventor Signature:	ael Carolus
State of California )	
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County of)	
On this day of	, in the year 2006, before me,
County of	f satisfactory evidence) to be the person
whose name is subscribed to the within instrument, and ack	nowledged to me that he/she executed the
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or the entity upon behalf of which the person acted, execute WITNESS my hand and official seal.	d the instrument.
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Revised 01/02, Assign US Notary	
	PATENT

PATENT REEL: 018455 FRAME: 0924

## ASSIGNMENT OF PATENT APPLICATION

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### SELECTIVE CAPPING OF COPPER

(Atty. Docket No. NOVLP171/NVLS-3162), (check one)



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Agree to execute all papers and documents and, entirely at the ASSIGNEE's expense, 3) 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.

Agree that the terms, covenants and conditions of this assignment shall inure to the benefit of 4) 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, 5) or understanding that conflicts with this assignment.

Authorize and request my attorney/agent to insert above the application No. in order to assist 6) with recordal of this assignment.

Signed on the date indicated beside my signature.

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REEL: 018455 FRAME: 0926

1. Inventor Signature:		Date:	
	Glenn Alers		
State of California	)	SS.	
County of	;	55.	
On this	day of Notary Public, per	, in the	year 2006, before me, m Alers, personally known
to me (or proved to me subscribed to the within his/her authorized capac entity upon behalf of whi	e on the basis of satisfac n instrument, and acknow	tory evidence) to be dedged to me that he er signature on the ins	the person whose name is /she executed the same in strument the person, or the
Notary Signature			(SEAL)
2. Inventor Signature:	Nerissa Draeger	Date:	
State of California	)	ss.	
County of	ز <u>ـــــ</u> ز		
known to me (or proved subscribed to the within his/her authorized capac entity upon behalf of whi	, Notary Public pu to me on the basis of satis i instrument, and acknow	ersonally appeared N sfactory evidence) to b 'ledged to me that he er signature on the ins	year 2006, before me, erissa Draeger, personally e the person whose name is /she executed the same in strument the person, or the
Notary Signature			$(\mathbb{S}\mathbb{T},\mathbb{A}_{\mathbb{F}})$
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personally known to me whose name is subscribe same in his/her authorize or the entity upon behalf	d to the within instrument,	sonally appeared basis of satisfactory and acknowledged to by his/her signature on	evidence) to be the person me that he/she executed the the instrument the person,
Notary Signature	rie Carroll		GLORIA CARROLL
Revised 01/02, Assign US Notar	y		Notary Public, State of Taxas Commission Expires 07-15-2008

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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 recordel of this assignment.

Signed on the date indicated beside my signature.

PATENT REEL: 018455 FRAME: 0927 RigOCT. 26. 2006 3:59PM 151066309203:56 PAGE 005/008 Fax Servino. 905 P. 11/13

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1. Inventor Signature:	Gierra A	cam/	Date: <u>9/14/05</u>
State of California	>	66.	
County of <u>Service</u>	Gang 5		
to me (or proved to n subscribed to the with his/her authorized caps cutity upon behalf of wi	te on the basis of satis in instrument, and ackn city(ice), and that by his hich the person acted, exc and and official seal.	factory evidence) owledged to me sher signature on	a the year 2006, before me, red Glenn Alers, <u>personally known</u> to be the person whose name is that he/she executed the same in the instrument the person, or the <b>Deter Common # 1500555</b> Name Rains - Contents Name Rains - Contents Torio Chan County Commission Aug 1, 2004
The second of a second	Nerissa Draeger	<i>₽</i> ~~	
State of California County of <u>Securit</u>		88.	
<b>Enown to me (or prove</b> subscribed to the with his/her authorized capa entity upon behalf of wi WITNESS my h	, Notary Public I to me on the basis of s in instrument, and ackn	personally appe atisfactory evidence owledged to me wher signature on ecuted the instrum	a the year 2006, before me, ared Nerissa Draeger, personally- cc) to be the person whose name is that he/she executed the same in a the instrument the person, or the uent. Jan & Robin Commission # 1898885 Moissy Ruble - Collomia tonto Claro County (My Colum, Extendence 1, 2004
3. Inventor Signature:			Date:
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County of On this	) day of) _ Notary Public, y		n the year 2006, before me, d
whose name is subscrib same in his/her authori or the entity upon behal	ed to the within instrume	the basis of satis; nt, and acknowled at by his/her signs	factory cvidence) to be the person iged to me that he/she executed the ature on the instrument the person,
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Revised 01/02, Assign US Note	цу		PATENT REEL: 018455 FRAME: 0928

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Signed on the date indicated beside my signature.

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T			
1. Inventor Signature:	Citation & Verse	Date	
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State of California	)	<b>3</b> 8.	
County of	زز		
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Notary Signature			(SRAL)
2. Inventor Signature:		Date	
	Nerlasa Dracger		· . <b></b>
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Noter Sinteture			ACTA I A
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Notary Signature 3. Inventor Signature:	Alla Caulas Logal representative of the ca		(SEAL) 9-22-06
	Julin Caroline Logil representative of the ca	taie of Michael Cambus	
3. Inventor Signature:	، ن <u>م</u>	tate of Michael Carolus \$8.	9-22-06
3. Inventor Signature: Jugao State of Celifornia Connty of Hame On tris 22.0 Marin Control	day of <u>sentr</u> , Notary Public, p	ss. miler) in the reconsily appeared	<u>9-22-01e</u> year 2006, before me,
3. Inventor Signature: Julia State of Celifarita County of <u>A anal</u> On this <u>22.8</u> <u>Mania</u> personally known to me whose name is subscribe	day of <u>unit</u> , Notary Public,	ss. ss. in the reconally appeared he basis of satisfactory it, and acknowledged to	<u>9-22-01e</u> year 2006, before me, <u>controlling</u> , evidence) to be the person me that he/she executed the
3. Inventor Signature: <i>Jugae</i> State of Celifornia County of <u>Hame</u> On this 22.4 <i>Manual</i> personally known to me whose name is subscribe same in his/her authorized or the entity upon behalf	day of of day of , Notary Public, publi	ss. ss. in the ersonally appeared be basis of satisfactory it, and acknowledged to t by his/her signature or	<u>9-22-01e</u> year 2006, before me, <u>sevidence</u> ) to be the person me that ha/she excepted the in the instrument the person.
3. Inventor Signature: Julia State of Celifarita County of <u>Hama</u> On this <u>22.4</u> <u>Mana</u> personally known to me whose name is subscribe same in his/her authorize or the entity upon behalf WIINESS my ha	day of, Notary Public, and the distribution of the public distribution of the public distribution of which the public distribution activity (ies), and the public distribution of which the public distribution of the	ss. ss. in the ersonally appeared be basis of satisfactory it, and acknowledged to t by his/her signature or	<u>9-22-01e</u> year 2006, before me, <u>sevidence</u> ) to be the person me that ha/she excepted the in the instrument the person.

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# IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of: Alers et al.

Title: SELECTIVE CAPPING OF COPPER

Application No.: 11/506,761

Filed: August 18, 2006

Attorney Docket No.: NOVLP171/NVLS-3162

Examiner: Not yet assigned

Group: 2812

	<u>CERTIFICATE OF FACSIMILE TRANSMISSION</u> I hereby certify that this correspondence is being transmitted by facsimile to fail number 571-273-0140 to the U.S. Patent and Trademark Office on October 26, 2006.
	Signed: Tara Hayden
COMMUNICATIO	on - Assignment correction
Mail Stop Assignment	
Recordation Services	
Commissioner for Patents	
P.O. Box 1450	$\bigcirc$
Alexandria, VA 22313-1450	

Sir:

Enclosed is the original Assignment document that has been recorded by the Assignment Division. On the Notice of Recordation, please add the Legal Representative, **Julia Carolus** for Michael Carolus (deceased). Please correct the Notice and return it with the original Assignment document.

The Commissioner is authorized to charge any fees that may be due to Deposit Account 500388 (Order No. NOVLP171).

Respectfully submitted, BEYER WEAVER & THOMAS, LLP

euse 13 Denise S. Bergin

Reg. No. 50,581

P.O. Box 70250 Oakland, CA 94612-0250

> PATENT REEL: 018455 FRAME: 0931

**RECORDED: 10/04/2006**