Electronic Version v1.1 Stylesheet Version v1.1

SUBMISSION TYPE:	CORRECTIVE ASSIGNMENT	
NATURE OF CONVEYANCE:	Corrective Assignment to correct the last name of the inventor Schravendijk to van Schravendijk. previously recorded on Reel 021082 Frame 0227. Assignor(s) hereby confirms the correction of the last name of the inventor van Schravendijk.	

CONVEYING PARTY DATA

Name	Execution Date
Hui-Jung Wu	03/28/2008
Kimberly Shafi	04/10/2008
Kaushik Chattopadhyay	03/28/2008
Keith Fox	04/11/2008
Tom Mountsier	03/28/2008
Girish Dixit	03/28/2008
Bart van Schravendijk	02/13/2008
Elizabeth Apen	04/09/2008

RECEIVING PARTY DATA

Name:	Novellus Systems, Inc.
Street Address:	3970 North First Street
City:	San Jose
State/Country:	CALIFORNIA
Postal Code:	95134

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	12082496

CORRESPONDENCE DATA

500632490

Fax Number: (510)633-0920

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

Email: djones@wavsip.com

Correspondent Name: Weaver Austin Villeneuve & Sampson LLP

Address Line 1: 500 12th Street, Suite 200
Address Line 4: Oakland, CALIFORNIA 94607

PATENT

REEL: 021451 FRAME: 0836

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ATTORNEY DOCKET NUMBER:	NOVLP202
NAME OF SUBMITTER:	Cindy H. Shu
Total Attachments: 14 source=NOVLP202_Assignment_Correction	#page2.tif #page4.tif #page5.tif #page5.tif #page6.tif #page7.tif #page8.tif #page8.tif #page8.tif #page10.tif
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:WEAVER AUSTIN VILLENEUVE - SAMPSON LLP COMPANY:500 LZTH STREET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE	ACOIONNENT

NATURE OF CONVEYANCE: ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
Hui-Jung Wu	03/28/2008
Kimberly Shafi	04/10/2008
Kaushik Chattopadhyay	03/28/2008
Keith Fox	04/11/2008
Tom Mountsier	03/28/2008
Girish Dixit	03/23/2008
Bart van Schravendijk	c2/13/2008
Elizabeth Apen	04/09/2008

RECEIVING PARTY DATA

Name:	Novellus Systems, Inc.
Street Address:	3970 North First Street
City:	San Jose
State/Country:	CALIFORNIA
Postal Code:	95134

PROPERTY NUMBERS Total: 1

Property Type	Number	
Application Number:	12082496	

CORRESPONDENCE DATA

Fax Number:

(510)663-0920

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

Email:

djones@wavsip.com

Correspondent Name:

Weaver Austin Villeneuve & Sampson LLP

Address Line 1:

500 12th Street

Address Line 4:

Oakland, CALIFORNIA 94607

ATTORNEY DOCKET NUMBER: NOVLP202/NVLS-3250

PATENT

REEL: 021451 FRAME: 0838

USPTO

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PAGE 5/005

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:WEAVER AUSTIN VILLENEUVE _ SAMPSON LLP COMPANY:500 __TH STREET

NAME OF SUBMITTER:

Cindy H. Shu

Total Attachments: 15

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REEL: 021451 FRAME: 0839



ASSIGNMENT OF PATENT APPLICATION

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

METHODS FOR REDUCING UV AND DIELECTRIC DIFFUSION BARRIER INTERACTION

(Atty. Docket No. NOVLP202/NVLS-3250/3252), (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:
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.
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.
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 thereor, 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 the ASSIGNEE, its successors, assigns and other legal representatives, and shall be binding upon the nventor, 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, or understanding that conflicts with this assignment.
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.

Revised 01/02, Assign US Notary

1. Inventor Signature: Hui-Jung Wu	Date: 3/28/2008
State of California	140
County of Savra Clark ss.	SERTACHED -
On this day of Notary Public, personally appear to me (or proved to me on the basis of satisfactory evidence subscribed to the within instrument, and acknowledged to me his/her authorized capacity(ies), and that by his/her signature of entity apon behalf of which the person acted, executed the instrument. WITNESS my hand and official seal.	in the year 2007, before me, red Hui-Jung Wu, personally known) to be the person whose name is that he/she executed the same in
Notary Signature	(SEAL)
2. Inventor Signature: Kimberly Branshaw	Date:
State of Idaho	
County of	
known to me (or proved to me on the basis of satisfactory evidence subscribed to the within instrument, and acknowledged to me his/her authorized capacity(ies), and that by his/her signature on entity upon behalf of which the person acted, executed the instrum WITNESS my hand and official seal.	ce) to be the person whose name is that he/she executed the same in
Notary Signature	(SEAL)
3. Inventor Signature: Kaushik Chattofaohyay	Date: 03/28/08
State of California	v ·
County of	
NOTATE Public transconally one	200mad 17 13- 11- 11- 11
personally known to me (or proved to me on the basis of satisfa whose name is subscribed to the within instrument, and acknowled same in his/her authorized capacity(ies), and that by his/her signal or the entity upon behalf of which the person acted, executed the in WITNESS my hand and official seal.	ged to me that he/she executed the
Notary Signature	(SEAL)
Revised 01/02. Assign US Natura	(OLIGNE)

CALIFORNIA ALL-PURPOSE ACKNOWLEDGMENT State of California County of Sava Class On Marcu 28, 2008 before me, Jan K. Refer who proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that be/she/they executed the same in his/her/their authorized capacity(ies), and that by bis/ber/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument. JAN K. ROGERS I certify under PENALTY OF PERJURY under the laws Commission # 1598855 Notary Public - California of the State of California that the foregoing paragraph is Santa Clara County true and correct. My Comm. Expires Aug 1, 2009 WITNESS my hand and official seal. Place Notary Seat Above Though the information below is not required by law, it may prove valuable to persons relying on the document and could prevent fraudulent removal and reattachment of this form to another document. Description of Attached Document SENMENT OF PRIENT APPLICA Title or Type of Document: Document Date: Number of Pages: Signer(s) Other Than Named Above: Capacity(les) Claimed by Signer(s) Signer's Name: KAUSHIK CHATTOPAOH Signer's Name: Hull - VUNG Individual ☑ Individual ☐ Corporate Officer — Title(s): ☐ Corporate Officer — Title(s): _ ☐ Partner — ☐ Limited ☐ General ☐ Partner — ☐ Limited ☐ General AIGHT THUMBPRINT OF SIGNEH ☐ Attorney In Fact ☐ Attorney in Fact Top of thumb here Top of thumb here □ Trustee ☐ Trustee · ☐ Guardian or Conservator ☐ Guardian or Conservator Other: Other:_

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Signer la Representing:

Signer is Representing:

1. Inventor Signature:	· · · · · · · · · · · · · · · · · · ·	· · · · · · · · · · · · · · · · · · ·	Date:
	lui-Jung Wu		
State of California)		
County of		SS.	
On this	day of, Notary Public, pe	rsonally appeared	the year 2007, before me, Hui-Jung Wu, personally known
to me (or proved to me of subscribed to the within i	on the basis of satisfanstrument, and ackno (ies), and that by his/ the person acted, exec	ctory evidence) t wledged to me ther her signature on the signature on the signature on the signature of the sideal of the signature of the signature of the signature of the si	o be the person whose name is not he/she executed the same in the instrument the person, or the
Notary Signature			(NL, M_{π})
2. Inventor Signature: S	Kul She imberly branchaw 5 hoc	<i>Q</i> .	Date: 4/10/08
State of Idaho)	ss. 359-la	7. 77.7 <i>~</i>
County of Ada			
known to me (or proved to subscribed to the within in	me on the basis of sat nstrument, and ackno- (ies), and that by his/ the person acted, exec- and official seal	rsonally appeared isfactory evidence wledged to me the ner signature on t	the year 2007 before me, Kimberly Branshaw, personally to be the person whose name is leat he/she executed the same in the instrument the person, or the lat.

3. Inventor Signature:K	aushik Chattopadhyay	1	Date:
State of California)		
County of		SS.	
On this	day of , Notary Public	personally app	the year 2007 before me, eared Kaushik Chattopadhyay,
personally known to me (o whose name is subscribed to	or proved to me on the other within instrument capacity(ies), and that which the person acted	e basis of satisfact, and acknowledg by his/her signate	ctory evidence) to be the person ed to me that he/she executed the are on the instrument the person.
Notary Signature			eSt. Mar
Revised 01/02, Assign US Notary			

4. Inventor Signature: Keith Fox Date: HORY / 1-01008	
State of Oregon)	
County of Washington) ss.	
On this day of April in the year 2007 before me, laufal. 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 OFFICIAL SEAL LAUHA L JOHNSON NOTARY PUBLIC - ORE COMMISSION NO. 408 MY COMMISSION NO. 408 MY COMMISSION NO. 408 MY COMMISSION NO. 408	GO1 918
5. Inventor Signature: Date:	
Tom Mountsier	
State of California)	
County of) ss.	
On this day of, in the year 2007 before me,, Notary Public personally appeared Tom Mountsier, 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 ne/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)	
6. Inventor Signature: Date:	
State of California)	
County of	
On this, in the year 2007 before me,, Notary Public personally appeared Girish Dixit, 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:	_
Keith Fox	Date:
State of Oregon)	
County of	
On this day of	_, in the year 2007 before me,
me (or proved to me on the basis of satisfactory evidence) to the within instrument, and acknowledged to me that authorized capacity(ies), and that by his/her signature on the behalf of which the person acted, executed the instrument. WITNESS my hand and official seal.	ppeared Keith Fox, personally known to be the person whose name is subscribed
Notary Signature	— (SEAL)
5. Inventor Signature: Total Mountsier	Date: 3/28/08
State of California)	(AED
County of ss.	in the case open as
On this day of	in the year 2007 before me,
known to me (or proved to me on the basis of satisfactory evisubscribed to the within instrument and acknowledged to his/her authorized capacity(ies), and that by his/her signature entity upon behalf of which the person acted, executed the inst WITNESS my hand and official seal.	appeared Tom Mountsier, personally idence) to be the person whose name is me that he/she executed the same in
Notary Signature	· (SEAL)
6. Inventor Signature: Sprish Dixit	Date: 3/28/08
State of California	SOMED
State of California County of of	no ·
On this day of	in the year 2007 before me,
me (or proved to me on the basis of satisfactory evidence) to be to the within instrument, and acknowledged to me that he authorized capacity(ies), and that by his/her signature on the ins behalf of which the person acted, executed the instrument. WITNESS my hand and official seal.	the person whose name is subscribed
Notary Signature	(SEAL)

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BERGER STATE OF THE STATE OF TH	NOWLEDGMEN 1
State of California)
County of SANTA CLARA	· }
	N KROSSES NOMEY PURLIC.
personally appeared Ton Mountsie	NEROSES NOMEY PUBLIC. Here Insert Name and Title of the Officer Remarks of Signer(e)
JAN K. ROGERS Commission # 1598865 Noicry Public - California Santa Clara County My Corrum. Expires Aug 1, 2009	who proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) in/are subscribed to the within instrument and acknowledged to me that he/ohe/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument. I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is rue and correct. WITNESS my hand and official seal.
	Signature L. Regess Signature of Motary Public
Though the information below is not required by law, it me and could prevent fraudulent removal and reat	AV Drave valuable to nercone rehing on the document
Description of Attached Document	
Title or Type of Document:	OF PARENT APPLICATION
Document Date: Nove	Number of Pages: ONE
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☐ Partner — ☐ Limited ☐ General ☐ Attorney in Fact ☐ Trustee ☐ Guardian or Conservator ☐ Other:	☐ Corporate Officer — Title(s): ☐ Partner — ☐ Limited ☐ General ☐ Attorney in Fact ☐ Trustee ☐ Guardian or Conservator ☐ Other: ☐ Signer Is Representing:
	Signer is nepresenting:

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7. Inventor Signature: Bart var Schravendijk	Date: 2/13/2008
State of California	HED PANTO POSTE
County of Savra Clase A	SER DANKER POR PONTON
On this day of, ir, Notary Public personally appresentable known to me (or proved to me on the basis of satisfar whose name is subscribed to the within instrument, and acknowled same in his/her authorized capacity(ies), and that by his/her signal or the entity upon behalf of which the person acted, executed the in WITNESS my hand and official seal.	the year 2007 before me, peared Bart van Schravendijk, actory evidence) to be the person ged to me that he/she executed the
Notary Signature	(SEAL)
8. Inventor Signature: Elizabeth Apen	Date:
State of Oregon) ss.	
County of	
On this day of, in, Notary Public personally appear	red Flizsboth Amon
known to me (or proved to me on the basis of satisfactory evidence subscribed to the within instrument, and acknowledged to me the his/her authorized capacity(ies), and that by his/her signature on the entity upon behalf of which the person acted, executed the instrument with the person acted and official seal.	to be the person whose name is nat he/she executed the same in the instrument the person or the
Notary Signature	(SEAL)

CALIFORNIA ALL-PURPOSE ACKNOWLEDGMENT		
State of California		
County of Santa CLARA	}	
County of Anna Caraci	/	
On FERNARY 13, 2000 before me,	HERAVENDIJK Name(a) of Signer(s)	
personally appeared - BART VAN S	HRAVENION IN THE	
2000 appeared 2000 post	Name(e) of Signer(s)	
JAN K. ROGERS Commission # 1598855 Nolary Public - California Santa Clara County My Comm. Expires Aug 1, 2009	who proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(iee), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument. I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct. WITNESS my hand and official seal.	
Piece Notary Seal Above	Signature of Notary Public	
Though the information below is not required by law, it	TONAL I may prove valuable to persons relying on the document	
Description of Attached Document	eattachment of this form to another document.	
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Capacity(les) Claimed by Signer(s)		
Signer's Name: BADT VANC CHRAVEND Individual Corporate Officer — Title(s):	Signer's Name:	
Partner — D Limited D General		
☐ Attorney in Fact ☐ OF SIGNER ☐ Trustee ☐ Top of thumb nere	☐ Attorney in Fact	
☐ Guardian or Conservator	☐ Trustee ☐ Guardian or Conservator	
Other:	Other:	
Signer is Representing: SELF		
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7. Inventor Signature:	Date:
Bart van Schravendijk	
State of California) ss.	
County of	
	, in the year 2007 before me, ally appeared Bart van Schravendijk,
personally known to me (or proved to me on the basis of whose name is subscribed to the within instrument, and ack same in his/her authorized capacity(ies), and that by his/he or the entity upon behalf of which the person acted, execute WITNESS my hand and official seal.	of satisfactory evidence) to be the person chowledged to me that he/she executed the er signature on the instrument the person,
8. Inventor Signature: Elizabeth Apen	(SEAL) Date: 4/9/08
State of Oregon)	
County of Wathington ss.	200811
On this day of April Notary Public personall 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 WITNESS my hand and official seal.	y appeared Elizabeth Apen, personally evidence) to be the person whose name is to me that he/she executed the same in turn on the instrument the person, or the
Notary Signature Dura Harrison	LAURA L. OHNSON NOTARY PUBLIC - OREGON COMMISSION NO 408018

Revised 01/02, Assign US Notary

RECORDED: 08/27/2008

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