

PATENT ASSIGNMENT

Electronic Version v1.1

Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT														
NATURE OF CONVEYANCE:	ASSIGNMENT														
CONVEYING PARTY DATA															
<table border="1"><thead><tr><th>Name</th><th>Execution Date</th></tr></thead><tbody><tr><td>Kaushik Chattopadhyay</td><td>02/16/2007</td></tr><tr><td>Keith Fox</td><td>03/19/2007</td></tr><tr><td>Tom Mountsier</td><td>02/09/2007</td></tr><tr><td>Hui-Jung Wu</td><td>02/16/2007</td></tr><tr><td>Bart van Schravendijk</td><td>03/12/2007</td></tr><tr><td>Kimberly Branshaw</td><td>03/02/2007</td></tr></tbody></table>	Name	Execution Date	Kaushik Chattopadhyay	02/16/2007	Keith Fox	03/19/2007	Tom Mountsier	02/09/2007	Hui-Jung Wu	02/16/2007	Bart van Schravendijk	03/12/2007	Kimberly Branshaw	03/02/2007	
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Kimberly Branshaw	03/02/2007														
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															
<table border="1"><thead><tr><th>Property Type</th><th>Number</th></tr></thead><tbody><tr><td>Application Number:</td><td>11693617</td></tr></tbody></table>	Property Type	Number	Application Number:	11693617											
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CORRESPONDENCE DATA															
Fax Number:	(510)663-0920														
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>															
Email:	dneill@beyerlaw.com														
Correspondent Name:	Beyer Weaver LLP														
Address Line 1:	PO Box 70250														
Address Line 4:	Oakland, CALIFORNIA 94612														
ATTORNEY DOCKET NUMBER:	NOVLP201														
NAME OF SUBMITTER:	James E. Austin														

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PATENT
REEL: 019143 FRAME: 0137

Total Attachments: 3

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PATENT

REEL: 019143 FRAME: 0138

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. NOVLP201/NVLS-3249/3253), (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 **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.

1. Inventor Signature: Kaushik Chattopadhyay Date: 2/16/07
Kaushik Chattopadhyay

State of California)

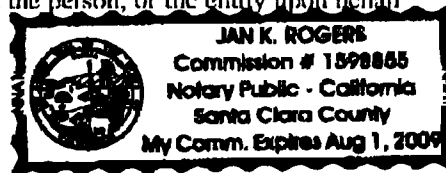
County of Santa Clara)

SS.

On this 16 day of FEBRUARY, in the year 2007, before me, JAN K. ROGERS, Notary Public, personally appeared Kaushik Chattopadhyay, ~~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 JAN K. ROGERS



2. Inventor Signature: Keith Fox

Date: 3/19/07

State of ~~California~~ Oregon)

County of Washington)

SS.

On this 19th day of MARCH, in the year 2007, before me, LAURA L. JOHNSON, Notary Public personally appeared Keith Fox, 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 Laura L. Johnson



3. Inventor Signature: Tom Mountsier

Date: 2/9/07

State of California)

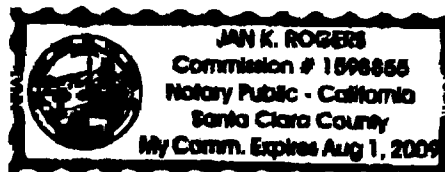
County of Santa Clara)

SS.

On this 1st day of MARCH, in the year 2007, before me, JAN K. ROGERS, 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 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 JAN K. ROGERS



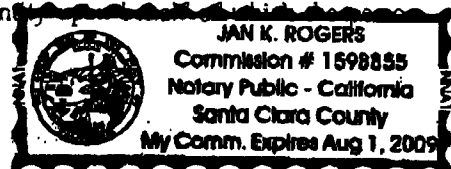
4. Inventor Signature: Hui-Jung Wu Date: 2/16/07

State of California)
County of Santa Clara) ss.

On this 16 day of February, in the year 2007, before me, JAN K. ROGERS, Notary Public, personally appeared Hui-Jung Wu, 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: JAN K. ROGERS



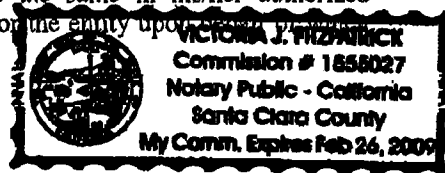
5. Inventor Signature: Bart van Schravendijk Date: 3/12/07

State of California)
County of Santa Clara) ss.

On this 12 day of March, in the year 2007, before me, Victoria J. Fitzpatrick, Notary Public personally appeared Bart van Schravendijk, 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: Victoria J. Fitzpatrick



6. Inventor Signature: Kimberly Branshaw Date: 3/2/07

State of California)
County of Santa Clara) ss.

On this 2 day of March, in the year 2007, before me, Victoria J. Fitzpatrick, Notary Public, personally appeared Kimberly Branshaw, 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: Victoria J. Fitzpatrick

