

PATENT ASSIGNMENT

Electronic Version v1.1
 Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT												
NATURE OF CONVEYANCE:	ASSIGNMENT												
CONVEYING PARTY DATA													
<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 70%;">Name</th> <th style="width: 30%;">Execution Date</th> </tr> </thead> <tbody> <tr> <td>Steven T. Mayer</td> <td>03/12/2009</td> </tr> <tr> <td>Vijay Bhaskaran</td> <td>03/23/2009</td> </tr> <tr> <td>Evan E. Patton</td> <td>03/10/2009</td> </tr> <tr> <td>Robert L. Jackson</td> <td>01/15/2010</td> </tr> <tr> <td>Jonathan Reid</td> <td>03/30/2009</td> </tr> </tbody> </table>		Name	Execution Date	Steven T. Mayer	03/12/2009	Vijay Bhaskaran	03/23/2009	Evan E. Patton	03/10/2009	Robert L. Jackson	01/15/2010	Jonathan Reid	03/30/2009
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RECEIVING PARTY DATA													
<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 20%;">Name:</td> <td>Novellus Systems, Inc.</td> </tr> <tr> <td>Street Address:</td> <td>3970 North First Street</td> </tr> <tr> <td>City:</td> <td>San Jose</td> </tr> <tr> <td>State/Country:</td> <td>CALIFORNIA</td> </tr> <tr> <td>Postal Code:</td> <td>95134</td> </tr> </table>		Name:	Novellus Systems, Inc.	Street Address:	3970 North First Street	City:	San Jose	State/Country:	CALIFORNIA	Postal Code:	95134		
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PROPERTY NUMBERS Total: 1													
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CORRESPONDENCE DATA													
<p>Fax Number: (510)663-0920 <i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i></p> <p>Phone: (510) 663-1100 Email: rberman@wavsip.com Correspondent Name: Weaver Austin Villeneuve & Sampson LLP Address Line 1: P.O. Box 70250 Address Line 4: Oakland, CALIFORNIA 94612-0250</p>													
ATTORNEY DOCKET NUMBER:	NOVLP081D1C1/NVLS2261D1C1												
NAME OF SUBMITTER:	Jeffrey K. Weaver												

CH \$40.00 11228712

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PATENT
REEL: 023819 FRAME: 0182

Total Attachments: 12

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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:

PROCESS FOR ELECTROPLATING METALS INTO MICROSCOPIC RECESSED FEATURES

(Atty. Docket No. NOVLP081D1C1/NVLS-2261D1C1),

- ☐ for which I have executed a U.S. patent application on even date herewith. (Accompanying)
- ☒ which bears U.S. Application No. 11/228,712. (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, including U.S. Application No. 09/716,016, filed November 16, 2000, now U.S. Patent No. 6,946,065, issued September 20, 2005; U.S. Application No. 09/410,170, filed September 30, 1999, now abandoned; and U.S. Provisional Application No. 60/105,699, filed October 26, 1998.
- 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:

Steven T. Mayer
Steven T. Mayer

Date: 3/12/2009

State of Oregon)

County of Washington)

ss.

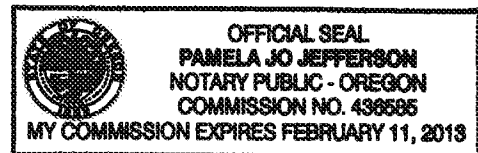
On 3/12/2009 before me, Pamela Jo Jefferson,
personally appeared Steven T. Mayer

_____, 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(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 Oregon that the foregoing
paragraph is true and correct.

WITNESS my hand and official seal.

Signature Pamela Jo Jefferson



2. Inventor Signature:

Vijay Bhaskaran

Date:

State of Oregon)

County of _____)

ss.

On _____ before me, _____,
personally appeared _____

_____, 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
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I certify under PENALTY OF PERJURY under the laws of the State of Oregon that the foregoing
paragraph is true and correct.

WITNESS my hand and official seal.

Signature _____

3. Inventor Signature:

Evan E. Patton

Date: 10 March 2009

State of Oregon)

County of Washington)

ss.

On 3/10/2009 before me, Pamela Jo Jefferson,
personally appeared Evan E. Patton

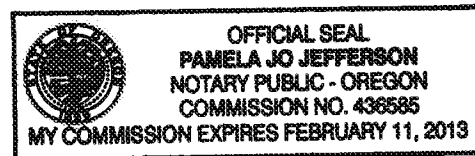
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paragraph is true and correct.

WITNESS my hand and official seal.

Signature

Pamela Jo Jefferson



4. Inventor Signature:

Robert L. Jackson

Date:

State of Oregon)

County of)

ss.

On _____ before me, _____,
personally appeared _____

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paragraph is true and correct.

WITNESS my hand and official seal.

Signature _____

5. Inventor Signature: Jonathan Reid
Jonathan Reid

Date: 3/30/09

State of Oregon)

County of Washington)

ss.

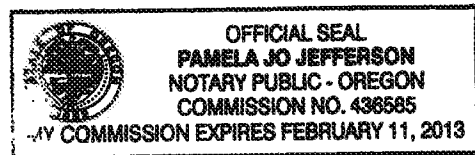
On 3/30/2009 before me, Pamela Jo Jefferson,
personally appeared Jonathan Reid

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Signature Pamela Jo Jefferson



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Signed on the date indicated beside my signature.

1. Inventor Signature: _____ Date: _____
Steven T. Mayer

State of Oregon)
)
County of _____) ss.

On _____ before me, _____,
personally appeared _____

_____, 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
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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 Oregon that the foregoing
paragraph is true and correct.

WITNESS my hand and official seal.

Signature _____

2. Inventor Signature: _____ Date: 3-23-2009
Vijay Bhaskaran

State of ^{California} ~~Oregon~~)
)
County of Alameda) ss.

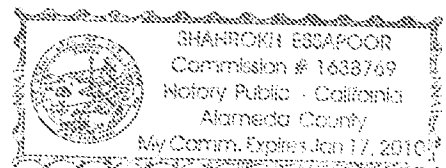
On 3-23-09 before me, _____
personally appeared Vijay Bhaskaran

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WITNESS my hand and official seal.

Signature S. Essapoor



3. **Inventor Signature:** _____ **Date:** _____
Evan E. Patton

State of Oregon)
)
County of _____) ss.

On _____ before me, _____,
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WITNESS my hand and official seal.

Signature _____

4. **Inventor Signature:** _____ **Date:** _____
Robert L. Jackson

State of Oregon)
)
County of _____) ss.

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WITNESS my hand and official seal.

Signature _____

5. Inventor Signature: _____ Date: _____
Jonathan Reid

State of Oregon)
)
County of _____) ss.

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Signed on the date indicated beside my signature.

1. Inventor Signature: _____ Date: _____

Steven T. Mayer

State of Oregon)
)
County of _____) ss.

On _____ before me, _____,
personally appeared _____

_____, who
proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are
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I certify under PENALTY OF PERJURY under the laws of the State of Oregon that the foregoing
paragraph is true and correct.

WITNESS my hand and official seal.

Signature _____

2. Inventor Signature: _____ Date: _____

Vijay Bhaskaran

State of Oregon)
)
County of _____) ss.

On _____ before me, _____,
personally appeared _____

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proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are
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WITNESS my hand and official seal.

Signature _____

3. Inventor Signature: _____ Date: _____

Evan E. Patton

State of Oregon)
)
County of _____) ss.

On _____ before me, _____,
personally appeared _____

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I certify under PENALTY OF PERJURY under the laws of the State of Oregon that the foregoing
paragraph is true and correct.

WITNESS my hand and official seal.

Signature _____

4. Inventor Signature: Robert L. Jackson
Robert L. Jackson

Date: Jan. 15, 2010

State of ~~Oregon~~ California)
)
County of Sonoma) ss.

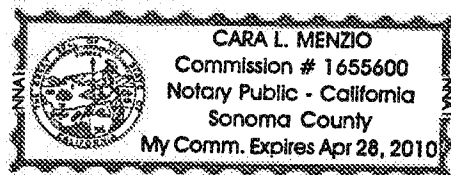
On Jan. 15, 2010 before me, Cara L. Menzio, Notary Public,
personally appeared Robert L. Jackson

_____, 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(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 ~~Oregon~~ California that the foregoing
paragraph is true and correct.

WITNESS my hand and official seal.

Signature Cara L. Menzio



5. Inventor Signature: _____ Date: _____

Jonathan Reid

State of Oregon)
)
County of _____) ss.

On _____ before me, _____,
personally appeared _____

_____, who
proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are
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Signature _____