

6-23-06

ASSIGNMENT RECORDS
-PATENTS

07-03-2006
103268388

112967 U.S. PTO
11/473890
062306

Commissioner of Patents:

Please record the attached document.

1. Name of conveying party:

- a) **Jeffery W. Achnig**
- b) **Russell Fleming**
- c) **Jaideep Jain**

2. Name and address of receiving party:

- a) Name: **Novellus Systems, Inc.**
Address: **3970 North First Street
San Jose, California 95134**

3. Nature of conveyance:

- | | | | |
|-------------------------------------|--------------------|--------------------------|-------------------|
| <input checked="" type="checkbox"/> | Assignment | <input type="checkbox"/> | Merger |
| <input type="checkbox"/> | Security Agreement | <input type="checkbox"/> | Change of Name |
| <input type="checkbox"/> | Other _____ | <input type="checkbox"/> | License Agreement |

Execution Date:

- a) **Jeffery W. Achnig – June 16, 2006**
- b) **Russell Fleming – June 20, 2006**
- c) **Jaideep Jain – June 21, 2006**

4. Application Number or Patent Number: NEW

The title of the application is: **APPARATUS AND METHODS FOR MONITORING HEALTH OF SEMICONDUCTOR PROCESS SYSTEMS**

5. Please send all correspondence concerning this document to:

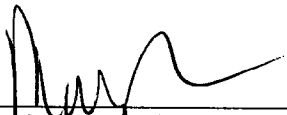
**Beyer Weaver & Thomas, LLP
P.O. Box 70250
Oakland, CA 94612-0250
Customer Number: 022434**

6. Total number of applications and patents involved: 1

7. Total fee (37 CFR 3.41): \$40.00

- Charge to Deposit Account No. 500388 (Order No. NOVLP157).
- Any additional fees are authorized to be charged to Deposit Account No. 500388 (Order No. NOVLP157).

Date: June 23, 2006



Mary R. Olynick
Registration No. 42,963

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Total number of pages including this cover sheet, attachments and documents: 3

Attorney Docket No. NOVLP157/NVLS-3153
(Revised 9/03)

**PATENT
REEL: 018032 FRAME: 0224**

ASSIGNMENT OF PATENT APPLICATION

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

APPARATUS AND METHODS FOR MONITORING HEALTH OF SEMINCONDUCTOR PROCESS SYSTEMS

(Atty. Docket No. NOVLP157/NVLS-3153), (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: *Jeff Achting*
Jeffery Achting

Date: June 16, 2006

If signed outside the United States of America, have two witnesses who also sign below:

1) Signature: *R. Raghuvendra*
Printed Name: RAGHUVENDRA RAVINUTALA

Date: June 16, 2006

2) Signature: *Huiying Liu*
Printed Name: Huiying Liu

Date: June 16, 2006

2. Inventor Signature: *Russell Fleming*
Russell Fleming

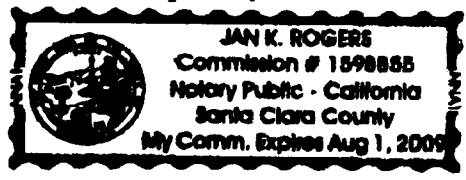
Date: 6/20/06

State of California)
County of SANTA CLARA) ss.

On this 20th day of JUNE, in the year 2006, before me, JAN K. ROGERS, Notary Public, personally appeared Russell Fleming, 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*



3. Inventor Signature: *Jaideep Jain*
Jaideep Jain

Date: 6/21/06

State of California)
County of SANTA CLARA) ss.

On this 21st day of JUNE, in the year 2006, before me, JAN K. ROGERS, Notary Public, personally appeared Jaideep Jain, 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*

