ASSIGNMENT RECORDATION COVER SHEET  
-PATENTS ONLY-

Commissioner of Patents:

Please record the attached document.

1. Name of conveying party:
   a) Bart van Schravendijk
   b) Christian Denisse

2. Name and address of receiving party:
   a) Name: Novellus Systems, Inc.
      Address: 3970 North First Street, San Jose, CA 95134

3. Nature of conveyance:
   [ ] Assignment
   [ ] Security Agreement
   [ ] Merger
   [ ] Change of Name
   [ ] License Agreement

Execution Date: 06/05/07; 06/15/07

4. Application Number or Patent Number: 11/696,102

The title of the application is: UV TREATMENT OF ETCH STOP AND HARD MASK FILMS FOR SELECTIVITY AND HERMETICITY ENHANCEMENT

5. Please send all correspondence concerning this document to:

   Beyer Weaver 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
   [ ] Enclosed.
   [x] Charge to Deposit Account No. 500388 (Order No. NOVLP191).
      Any additional fees are authorized to be charged to Deposit Account No. 500388
      (Order No. __________).

Date: July 17, 2007

   James E. Austin
   Registration No. 39,489

   Cindy H. Shu
   Registration No. 48,721

Total number of pages including this cover sheet, attachments and documents: 5

Attorney Docket No. NOVLP191/NVLS-3218

700333915

PATENT
REEL: 019569 FRAME: 0476
ASSIGNMENT OF PATENT APPLICATION

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

UV TREATMENT OF ETCH STOP AND HARD MASK FILMS FOR SELECTIVITY AND HERMETICITY ENHANCEMENT

(Att'y. Docket No. NOVLP191/NVLS-3218), (check one)

☐ for which I have executed a U.S. patent application on even date herewith. (Accompanying)
☒ which bears U.S. application No. 11/696,102. (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: ___________________________ Date: __________
   Bart van Schravendijk

State of California  )
County of ____________ ) ss.

On this ______ day of ___________________ in the year 2007, before me, __________________________, 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 ___________________________ (SEAL) __________

2. Inventor Signature: ___________________________ Date: June 15, 2007
   Christian Denisse

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

1) Signature: ___________________________ Date: June 17, 2007
   Printed Name: ___________________________

2) Signature: ___________________________ Date: June 17, 2007
   Printed Name: ___________________________
ASSIGNMENT OF PATENT APPLICATION

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

UV TREATMENT OF ETCH STOP AND HARD MASK FILMS FOR SELECTIVITY AND HERMETICITY ENHANCEMENT

(Atty. Docket No. NOVLP191/NVLS-3218), (check one)

☐ for which I have executed a U.S. patent application on even date herewith. (Accompanying)
☒ which bears U.S. application No. 11/696,102. (Not accompanying)
☐ which is a U.S. provisional application. (Accompanying)

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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: [Signature]
   Bart van Schraavendijk
   Date: 6/5/2007
   State of California
   County of Santa Clara
   ss.

   On this 5th day of June, in the year 2007, before me, Victoria J. Fitzpatrick, Notary Public, personally appeared Bart van Schraavendijk, 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: [Signature]

2. Inventor Signature: [Signature]
   Christian Denisse
   Date: __________

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

   1) Signature: __________________________ Date: __________
      Printed Name: ________________________

   2) Signature: __________________________ Date: __________
      Printed Name: ________________________