



19587 U.S. PTO  
11/011273  
121304

Commissioner of Patents: 102909997

Please record the attached document.

12/13/04

- 1. Name of conveying party:
  - a) Haruhiro Harry Goto
  - b) David Cheung
  - c) Prabhat Kumar Sinha
- 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: December 11, 2004 [Goto] and December 10, 2004 [Cheung and Sinha]

- 4. Application Number or Patent Number: Not yet assigned **11/011273**

The title of the application is: ENHANCED STRIPPING OF LOW-K FILMS USING DOWNSTREAM GAS MIXING

- 5. Please send all correspondence concerning this document to:

12/16/2004 HLE333 00000060 11011273 **Boyer Weaver & Thomas, LLP**  
 01 FC:8021 40.00 0P **P.O. Box 778**  
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**Customer Number: 022434**

- 6. Total number of applications and patents involved: 1

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

- Enclosed.
- Charge to Deposit Account No. 500388 (Order No. NOVLP126).
- Any additional fees are authorized to be charged to Deposit Account No. 500388 (Order No. NOVLP126).

Date: December 13, 2004

*Denise Bergin*  
 \_\_\_\_\_  
 Denise S. Bergin  
 Registration No. 50,581

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

# ASSIGNMENT OF PATENT APPLICATION

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

## ENHANCED STRIPPING OF LOW-K FILMS USING DOWNSTREAM GAS MIXING

(Atty. Docket No. NOVLP126/NVLS-3015), (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:** Haruhiro Harry Goto **Date:** 12/11/08  
 Haruhiro Harry Goto

State of California )  
 )  
 County of \_\_\_\_\_ ) ss.

Revised 01/02, Assign US Notary