

06-03-1999

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To the Honorable Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereof.

1. Name of conveying party(ies)
Varian Associates, Inc.



2. Name and address of receiving party(ies):
Name: **Novellus Systems, Inc.**
Internal Address: **Attention: Legal Department**

3. Nature of conveyance:
 Assignment Merger
 Security Agreement Change of Name
 Other _____
Execution Date: _____

Street Address: **4000 North First Street**
City: **San Jose** State: **CA** ZIP: **95134**
Additional name(s) & address(es) attached? Yes No

4. Application number(s) or registration numbers(s):
If this document is being filed together with a new application, the execution date of the application is: _____
A. Patent Application No.(s)
B. Patent No.(s)
5,627,105
Additional numbers attached? Yes No

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

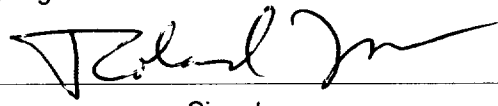
5. Name and address of party to whom correspondence concerning document should be mailed:
Name: **Roland Tso**
Internal Address: **Novellus Systems, Inc., mailstop 280**
Street Address: **4000 North First Street**
City: **San Jose** State: **CA** ZIP: **95134**

7. Total fee (37 CFR 3.41):.....\$ **40.00**
 Enclosed - Any excess or insufficiency should be credited or debited to deposit account
 Authorized to be charged to deposit account
8. Deposit account number: _____

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9. Statement and signature.
To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.
Roland Tso  **4/5/99**
Name of Person Signing Signature Date
Total number of pages including cover sheet, attachments, and document: **2**

ASSIGNMENT

WHEREAS, VARIAN ASSOCIATES, INC., a corporation organized and existing under the laws of the State of Delaware and having its principal office in Palo Alto, California (hereinafter "ASSIGNOR") is the record owner of the United States Patent No. 5,627,105 issued May 6, 1997 entitled Plasma Etch Process and TISIX Layers Made Using the Process by Day et al; and

WHEREAS, NOVELLUS SYSTEMS, INC., having a principal place of business in San Jose, California (hereinafter "ASSIGNEE") is desirous of obtaining ASSIGNOR's entire right, title and interest in, to and under the said patent application;

NOW THEREFORE, for good and valuable consideration, receipt of which is hereby acknowledged, ASSIGNOR does hereby sell, assign, transfer, and set over to ASSIGNEE, all of ASSIGNOR's entire right, title and interest in and to the patents and patent applications aforesaid, and to the inventions therein disclosed and claimed and to all international priority rights relating thereto throughout the world and in and to any continuations, divisions, reissues, reexaminations and extensions thereof along with any and all rights of enforcement with respect thereto, including all rights to sue or recover for the infringement thereof, and any and all choses in action related thereto, and that the ASSIGNEE may apply for and receive patents in its own name wherever so permitted by law and that ASSIGNOR shall, when requested by the ASSIGNEE, execute all rightful oaths, assignments, and powers of attorney, including but not limited to the right to file and prosecute in its own name, wherever so permitted by law, patent applications, including corresponding applications, and to claim priority of patent applications, including corresponding applications, and to claim priority of patent applications pursuant to the Paris Convention, to the ASSIGNEE and to agents and legal representatives of the ASSIGNEE and all other papers necessary and proper to carry out the intent and purpose of this Assignment of Patent.

IN WITNESS WHEREOF, ASSIGNOR has caused this Assignment to be executed by its duly authorized representative on this 11th day of March, 1999.

VARIAN ASSOCIATES, INC. (ASSIGNOR)

By: Hunter L. Auyang
Name: Hunter L. Auyang
Title: Assistant Secretary

State of California)
) s.s.;
County of Santa Clara)

On the 11th day of March, 1999, before me, Patti D. Selan, Notary Public, personally appeared Hunter L. Auyang, ~~personally known to me~~ -or- 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 capacities, 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.

WITNESS my hand and official seal.

Patti D. Selan
Signature of Notary

