

PATENT ASSIGNMENT

Electronic Version v1.1

Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT										
NATURE OF CONVEYANCE:	ASSIGNMENT										
CONVEYING PARTY DATA											
<table border="1"> <thead> <tr> <th>Name</th> <th>Execution Date</th> </tr> </thead> <tbody> <tr> <td>Christopher R. Hatem</td> <td>10/16/2012</td> </tr> <tr> <td>Ludovic Godet</td> <td>10/22/2012</td> </tr> <tr> <td>Louis Steen</td> <td>10/31/2012</td> </tr> <tr> <td>Deepak A. Ramappa</td> <td>10/11/2012</td> </tr> </tbody> </table>	Name	Execution Date	Christopher R. Hatem	10/16/2012	Ludovic Godet	10/22/2012	Louis Steen	10/31/2012	Deepak A. Ramappa	10/11/2012	
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Christopher R. Hatem	10/16/2012										
Ludovic Godet	10/22/2012										
Louis Steen	10/31/2012										
Deepak A. Ramappa	10/11/2012										
RECEIVING PARTY DATA											
Name:	VARIAN SEMICONDUCTOR EQUIPMENT ASSOCIATES, INC.										
Street Address:	35 Dory Road										
City:	Gloucester										
State/Country:	MASSACHUSETTS										
Postal Code:	01930										
PROPERTY NUMBERS Total: 1											
<table border="1"> <thead> <tr> <th>Property Type</th> <th>Number</th> </tr> </thead> <tbody> <tr> <td>Application Number:</td> <td>13608709</td> </tr> </tbody> </table>	Property Type	Number	Application Number:	13608709							
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Application Number:	13608709										
CORRESPONDENCE DATA											
Fax Number:	9782813268										
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>											
Phone:	978-282-5818										
Email:	valerie_e_altman@amat.com										
Correspondent Name:	Scott R. Faber, Reg. No. 48380										
Address Line 1:	Varian Semiconductor Equipment Associate										
Address Line 2:	35 Dory Road										
Address Line 4:	Gloucester, MASSACHUSETTS 01930										
ATTORNEY DOCKET NUMBER:	2011-107										
NAME OF SUBMITTER:	Scott R. Faber										
Total Attachments: 4 source=2011-107Assignment#page1.tif source=2011-107Assignment#page2.tif source=2011-107Assignment#page3.tif source=2011-107Assignment#page4.tif											

CH \$40.00 13608709

ASSIGNMENT

WHEREAS, the undersigned, to wit:

Christopher R. Hatem
Ludovic Godet
Louis Steen
Deepak A. Ramappa

(Hereinafter collectively **ASSIGNOR**), have/has made a certain new and useful invention as set forth in an application for United States Letters Patent, entitled:

PLASMA PROCESSING OF WORKPIECES TO FORM A COATING

(X only one):

- (A) ☐ which was executed concurrently herewith and is being filed herewith in the United States Patent and Trademark Office;
- (B) ☐ which was executed on _____, 20____, and is being filed herewith in the United States Patent and Trademark Office;
- (C) ☒ which was filed as US Patent Application No. **13/608709**, filed on **SEPTEMBER 10, 2012**.

AND WHEREAS, Varian Semiconductor Equipment Associates, Inc., (hereinafter **ASSIGNEE**), a corporation organized and existing under the laws of the state of Delaware, and having its principal place of business at 35 Dory Road, Gloucester, Massachusetts, 01930, is desirous of acquiring the entire right, title, and interest in and to said invention and any and all patents that may be obtained therefore, and in and to said application and any and all patents that may issue therefrom;

NOW, THEREFORE, for good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, **ASSIGNOR** does hereby sell, assign, transfer, and set over unto said **ASSIGNEE**, its successors, assigns, and legal representatives, all right, title, and interest in and to said invention throughout the world, and any and all patents of the United States and foreign countries that may be obtained therefor, and in and to said application, including any and all continuations, continuations-in-part, divisionals, reissues, re-examinations, substitutions, and extensions thereof, and any and all patents of the United States and foreign countries that may issue therefrom, such right, title, and interest including the right to file applications and obtain patents, utility models, industrial models and designs for said invention in the name of said **ASSIGNEE**, its successors, assigns, and legal representatives throughout the world, including all rights of priority, all rights to publish cautionary notices reserving ownership of said invention, and all rights to register said invention in appropriate registries;

ASSIGNOR also does hereby covenant that it has the full right to convey the entire right, title, and interest herein assigned, and that it has not and will not execute any agreement in conflict herewith;

ASSIGNOR also does hereby authorize and request the Commissioner of Patents and Trademarks to issue any and all Letters Patent of the United States on said invention or resulting from said application, including any continuations, continuations-in-part, divisions, reissues, re-examinations, substitutions, and extensions thereof, to said **ASSIGNEE**, its successors, assigns, and legal representatives as the **ASSIGNEE** of the entire right, title, and interest herein assigned;

ASSIGNOR also does hereby agree to, at any time, upon request, without further or additional consideration, but at the expense of said **ASSIGNEE**, its successors, assigns, or legal representatives, execute and deliver any and all papers, make all rightful oaths, and do all lawful acts that may be necessary or desirable to perfect the entire right, title, and interest here assigned in said **ASSIGNEE**, its successors, assigns, and legal representatives, and generally do everything possible to vest the entire right, title and interest herein assigned in said **ASSIGNEE**, its successors, assigns, and legal representatives;

ASSIGNOR also does hereby agree to, at any time, upon request, without further or additional consideration, but at the expense of said **ASSIGNEE**, its successors, assigns, or legal representatives, execute and deliver any and all papers, make all rightful oaths, and do all lawful acts that may be necessary or desirable to make application for and obtain any and all continuations, continuations-in-part, divisions, reissues, re-examinations, substitutions, and extensions of said application, or any application on said invention, or any patent issuing therefor or therefrom;

ASSIGNOR also does hereby agree to, at any time, upon request, without further or additional consideration but at the expense of said **ASSIGNEE**, its successors, assigns, and legal representatives, communicate to said **ASSIGNEE**, its successors, assigns, and legal representatives, any known facts relating to said invention or said application or any patent issuing therefor or therefrom, and testify as to the same in any interference or other litigation proceeding when requested to do so, and aid said **ASSIGNEE**, its successors, assigns, and legal representatives, in obtaining and enforcing property protection for said invention in all countries;

ASSIGNOR also does hereby grant the Legal Department of Varian Semiconductor Equipment Associates, Inc., at the address shown above, the power to insert on this assignment any further information, including, but not limited to application number(s) and filing date(s), which may be necessary or desirable in order to comply with any rule or request of the United States Patent and Trademark Office for the purposes of recording this document.

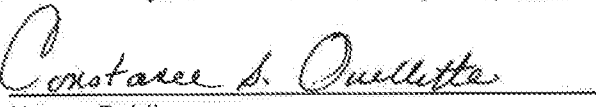
ASSIGNOR also does now hereby execute this document on the date(s) indicated below:

IN WITNESS WHEREOF, I have hereunto set my hand and seal this 16 day of October, 2012.

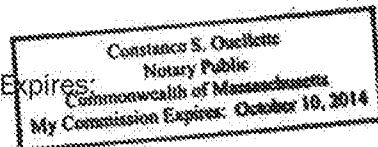

Name: CHRISTOPHER R. HATEM

COMMONWEALTH/STATE OF MASSACHUSETTS
COUNTY OF ESSEX

Before me, a Notary Public did personally appear the above-named **CHRISTOPHER R. HATEM**, personally known to me and/or proved to me on the basis of satisfactory evidence to be the person who signed and sealed the foregoing instrument and acknowledged the same to be his or her own free act and deed, this 16th day of OCTOBER, 2012.


Notary Public

My Commission Expires:

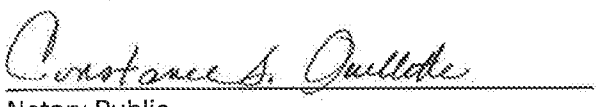


IN WITNESS WHEREOF, I have hereunto set my hand and seal this 22 day of October, 2012.

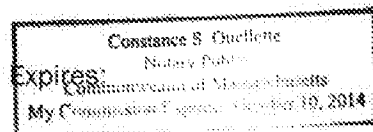

Name: LUDOVIC GODET

COMMONWEALTH/STATE OF MASSACHUSETTS
COUNTY OF ESSEX

Before me, a Notary Public did personally appear the above-named **LUDOVIC GODET**, personally known to me and/or proved to me on the basis of satisfactory evidence to be the person who signed and sealed the foregoing instrument and acknowledged the same to be his or her own free act and deed, this 22nd day of October, 2012.


Notary Public

My Commission Expires:



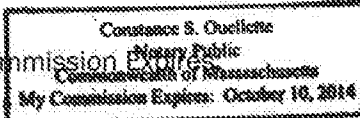
IN WITNESS WHEREOF, I have hereunto set my hand and seal this 31st day of October, 2012.

Louis Steen
Name: LOUIS STEEN

**COMMONWEALTH/STATE OF MASSACHUSETTS
COUNTY OF ESSEX**

Before me, a Notary Public did personally appear the above-named **LOUIS STEEN**, personally known to me and/or proved to me on the basis of satisfactory evidence to be the person who signed and sealed the foregoing instrument and acknowledged the same to be his or her own free act and deed, this 31st day of October, 2012.

Constance S. Ouellette
Notary Public

My Commission Expires

Constance S. Ouellette
Notary Public
Commonwealth of Massachusetts
My Commission Expires: October 18, 2014

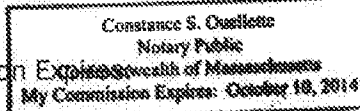
IN WITNESS WHEREOF, I have hereunto set my hand and seal this 11 day of October, 2012.

Deepak A. Ramappa
Name: DEEPAK A. RAMAPPA

**COMMONWEALTH/STATE OF MASSACHUSETTS
COUNTY OF ESSEX**

Before me, a Notary Public did personally appear the above-named **DEEPAK A. RAMAPPA**, personally known to me and/or proved to me on the basis of satisfactory evidence to be the person who signed and sealed the foregoing instrument and acknowledged the same to be his or her own free act and deed, this 11th day of October, 2012.

Constance S. Ouellette
Notary Public

My Commission Expires

Constance S. Ouellette
Notary Public
Commonwealth of Massachusetts
My Commission Expires: October 18, 2014