

PATENT ASSIGNMENT

Electronic Version v1.1
 Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT												
NATURE OF CONVEYANCE:	ASSIGNMENT												
CONVEYING PARTY DATA													
<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 70%;">Name</th> <th style="width: 30%;">Execution Date</th> </tr> </thead> <tbody> <tr> <td>Costel BILOIU</td> <td>04/05/2010</td> </tr> <tr> <td>Bon-Woong KOO</td> <td>04/05/2010</td> </tr> <tr> <td>Shardul PATEL</td> <td>04/05/2010</td> </tr> <tr> <td>Victor BENVENISTE</td> <td>04/01/2010</td> </tr> <tr> <td>Frank SINCLAIR</td> <td>04/02/2010</td> </tr> </tbody> </table>		Name	Execution Date	Costel BILOIU	04/05/2010	Bon-Woong KOO	04/05/2010	Shardul PATEL	04/05/2010	Victor BENVENISTE	04/01/2010	Frank SINCLAIR	04/02/2010
Name	Execution Date												
Costel BILOIU	04/05/2010												
Bon-Woong KOO	04/05/2010												
Shardul PATEL	04/05/2010												
Victor BENVENISTE	04/01/2010												
Frank SINCLAIR	04/02/2010												
RECEIVING PARTY DATA													
<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 20%;">Name:</td> <td>Varian Semiconductor Equipment Associates, Inc.</td> </tr> <tr> <td>Street Address:</td> <td>35 Dory Road</td> </tr> <tr> <td>City:</td> <td>Gloucester</td> </tr> <tr> <td>State/Country:</td> <td>MASSACHUSETTS</td> </tr> <tr> <td>Postal Code:</td> <td>01930</td> </tr> </table>		Name:	Varian Semiconductor Equipment Associates, Inc.	Street Address:	35 Dory Road	City:	Gloucester	State/Country:	MASSACHUSETTS	Postal Code:	01930		
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" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 30%;">Property Type</th> <th style="width: 70%;">Number</th> </tr> </thead> <tbody> <tr> <td>Application Number:</td> <td>12754258</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	12754258								
Property Type	Number												
Application Number:	12754258												
CORRESPONDENCE DATA													
Fax Number: (978)281-3268 <i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i> Phone: 978-282-5818 Email: constance.ouellette@vsea.com Correspondent Name: Scott R. Faber Address Line 1: Varian Semiconductor Equipment Associate Address Line 2: 35 Dory Road Address Line 4: Gloucester, MASSACHUSETTS 01930													
ATTORNEY DOCKET NUMBER:	2009-092												
NAME OF SUBMITTER:	Scott R. Faber												

CH \$40.00 12754258

501155599

PATENT
REEL: 024273 FRAME: 0425

Total Attachments: 6

source=2009-092Assignment#page1.tif

source=2009-092Assignment#page2.tif

source=2009-092Assignment#page3.tif

source=2009-092Assignment#page4.tif

source=2009-092Assignment#page5.tif

source=2009-092Assignment#page6.tif

ASSIGNMENT

WHEREAS, the undersigned, to wit:

Frank SINCLAIR
Costel BILOIU
Bon-Woong KOO
Victor BENVENISTE
Shardul PATEL

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

APPARATUS FOR CONTROLLING THE TEMPERATURE OF AN RF ION SOURCE WINDOW

(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. 12/754258, filed on April 5, 2010.

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 2 day of April, 2010.

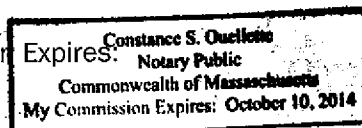
[Signature]
Name: FRANK SINCLAIR

COMMONWEALTH/STATE OF MASSACHUSETTS
COUNTY OF ESSEX

Before me, a Notary Public did personally appear the above-named FRANK SINCLAIR, 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 2nd day of April, 2010.

Constance S. Ouellette
Notary Public

My Commission Expires:



IN WITNESS WHEREOF, I have hereunto set my hand and seal this 15 day of April, 2010.

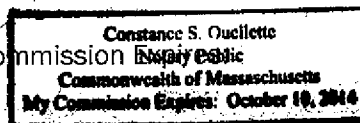
[Signature]
Name: COSTEL BILOIU

COMMONWEALTH/STATE OF MASSACHUSETTS
COUNTY OF ESSEX

Before me, a Notary Public did personally appear the above-named COSTEL BILOIU, 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 5th day of April, 2010.

Constance S. Ouellette
Notary Public

My Commission Expires:



IN WITNESS WHEREOF, I have hereunto set my hand and seal this 8th day of April, 2010.

Kerl Bunn
Name: BON-WOONG KOO

COMMONWEALTH/STATE OF MASSACHUSETTS
COUNTY OF ESSEX

Before me, a Notary Public did personally appear the above-named BON-WOONG KOO, 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 5th day of April, 2010.

Constance S. Ouellette
Notary Public

My Commission Expires:

Constance S. Ouellette
Notary Public
Commonwealth of Massachusetts
My Commission Expires: October 10, 2014

IN WITNESS WHEREOF, I have hereunto set my hand and seal this ____ day of _____, 2010.

Name: VICTOR BENVENISTE

COMMONWEALTH/STATE OF MASSACHUSETTS
COUNTY OF ESSEX

Before me, a Notary Public did personally appear the above-named VICTOR BENVENISTE, 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 ____ day of _____, 2010.

Notary Public

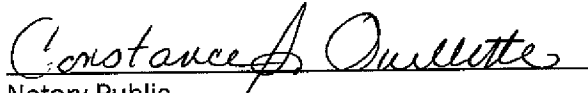
My Commission Expires:

IN WITNESS WHEREOF, I have hereunto set my hand and seal this 05 day of APRIL, 2010.

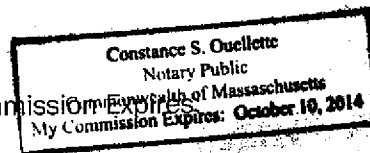

Name: SHARDUL PATEL

COMMONWEALTH/STATE OF MASSACHUSETTS
COUNTY OF ESSEX

Before me, a Notary Public did personally appear the above-named SHARDUL PATEL, 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 5th day of April, 2010.


Notary Public

My Commission Expires: October 10, 2014



PATENT APPLICATION
Attorney Docket No. 2009-092

IN WITNESS WHEREOF, I have hereunto set my hand and seal this ____ day of _____, 2010.

Name: BON-WOONG KOO

COMMONWEALTH/STATE OF MASSACHUSETTS
COUNTY OF ESSEX

Before me, a Notary Public did personally appear the above-named **BON-WOONG KOO**, 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 ____ day of _____, 2010.

Notary Public My Commission Expires:

IN WITNESS WHEREOF, I have hereunto set my hand and seal this 1st day of APRIL, 2010.

Name: VICTOR BENVENISTE

COMMONWEALTH/STATE OF MASSACHUSETTS
COUNTY OF ESSEX

Before me, a Notary Public did personally appear the above-named **VICTOR BENVENISTE**, 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 ____ day of _____, 2010.

Notary Public My Commission Expires: