# PATENT ASSIGNMENT

# Electronic Version v1.1 Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

#### **CONVEYING PARTY DATA**

Name	Execution Date
Joseph P. Dzengeleski	03/12/2013
Eric Hermanson	03/14/2013
Robert J. Mitchell	03/12/2013
Tyler Rockwell	03/12/2013
James W. Wilkinson	03/11/2013
James Paul Buonodono	03/11/2013
Frank Sinclair	03/12/2013

# **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

Property Type	Number
Application Number:	13790791

# **CORRESPONDENCE DATA**

Fax Number:

Correspondence will be sent via US Mail when the fax attempt is unsuccessful.

Phone: 978-282-5818

Email: Scott\_Faber@amat.com

Correspondent Name: Scott R. Faber Address Line 1: 35 Dory Road

Gloucester, MASSACHUSETTS 01930 Address Line 4:

ATTORNEY DOCKET NUMBER: 2012-131

**REEL: 030067 FRAME: 0870** 

**PATENT** 

502282661

NAME OF SUBMITTER:	Scott R. Faber
Total Attachments: 6 source=2012-131Assignment#page1.tif source=2012-131Assignment#page2.tif source=2012-131Assignment#page3.tif source=2012-131Assignment#page4.tif source=2012-131Assignment#page5.tif source=2012-131Assignment#page6.tif	

PATENT REEL: 030067 FRAME: 0871

# **ASSIGNMENT**

WHEREAS, the undersigned, to wit:

Joseph P. Dzengeleski
Eric Hermanson
Robert J. Mitchell
Tyler Rockwell
James W. Wilkinson
James Paul Buonodono
Frank Sinclair

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

# ION BEAM MEASUREMENT SYSTEM AND METHOD

(X onl	ly 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 Appln. No. 13/790791, filed on March 8, 2013.

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

PATENT REEL: 030067 FRAME: 0872 **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, reexaminations, 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;

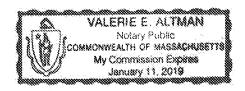
ASSIGNOR also does hereby agree to, at any time, upon request, without further or additional consideration but at the expense of said ASSIGNEE, its successors, assigns, and legal representatives, communicate to said ASSIGNEE, its successors, assigns, and legal representatives, any known facts relating 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.

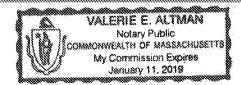
ASSIGNOR also does now hereby execute this document on the date(s) indicated below:

PATENT REEL: 030067 FRAME: 0873

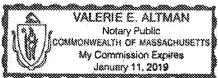
IN WITNESS WHEREOF, I have hereunto set my hand and seal this 12 th day of MARCH 2013.  Name: VOSEPH P. DZENGELESKI
COMMONWEALTH/STATE OF MASSACHUSETTS COUNTY OF ESSEX
Before me, a Notary Public did personally appear the above-named <b>Joseph P. Dzengeleski</b> personally known to me and/or proved to 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 12 day of
My Commission Express VALERIE E. ALTMAN Notary Public Notary Public My Commission Express January 11, 2019
IN WITNESS WHEREOF, I have hereunto set my hand and seal this /4 day of
Name: ERIC HERMANSON  COMMONWEALTH/STATE OF MASSACHUSETTS



IN WITNESS WHEREOF, I have hereunto set my hand and seal this 12th day of MAICH 2013.
Name: ROBERT J. MITCHELL
COMMONWEALTH/STATE OF MASSACHUSETTS COUNTY OF ESSEX
Before me, a Notary Public did personally appear the above-named <b>Robert J. Mitchell</b> 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 warch, 2013.
Dolere & Oldwar My Commission Expire VALERIE E. ALTIVIAN Notary Public Notary Public My Commission Expires My Commission Expires
IN WITNESS WHEREOF, I have hereunto set my hand and seal this 12 day of March, 2013.
Name: TYLER ROCKWELL
COMMONWEALTH/STATE OF MASSACHUSETTS COUNTY OF ESSEX
Before me, a Notary Public did personally appear the above-named <b>Tyler Rockwell</b> 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 12 <sup>n</sup> day of 2013.



MARCH, 2013.
Name: JAMES W. WILKINSON
COMMONWEALTH/STATE OF MASSACHUSETTS COUNTY OF ESSEX
Before me, a Notary Public did personally appear the above-named <b>James W. Wilkinson</b> 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 11 day of 100000000000000000000000000000000000
VALERIE E. ALTMAN Notary Public  Notary Public  My Commission Expires  My Commonwealth of Massachuse  My Commonwealth of My Commission Expires  My Commonwealth 2018
IN WITNESS WHEREOF, I have hereunto set my hand and seal this day of, 2013.
Name: JAMES PAUL BUONODONO
COMMONWEALTH/STATE OF MASSACHUSETTS COUNTY OF ESSEX
Before me, a Notary Public did personally appear the above-named <b>James Paul Buonodono</b> 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 <u>IIn</u> day of <u>March</u> , 2013.
Before me, a Notary Public did personally appear the above-named <b>James Paul Buonodono</b> 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



IN WITNESS WHEREOF, I have hereunto set my hand and seal this [2 day of March, 2013.
frulle
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 12th day of, 2013.
Volerie E. Oldman My Commission Expires;

