

PATENT ASSIGNMENT

Electronic Version v1.1
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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>Execution Date</th> </tr> </thead> <tbody> <tr> <td>Gregory Citver</td> <td>11/08/2011</td> </tr> <tr> <td>Semaan Fersan</td> <td>11/07/2011</td> </tr> <tr> <td>Kasegn D. Tekletsadik</td> <td>11/17/2011</td> </tr> <tr> <td>Scott Nickerson</td> <td>11/07/2011</td> </tr> <tr> <td>Charles L. Stanley</td> <td>11/08/2011</td> </tr> <tr> <td>Eric D. Hermanson</td> <td>11/07/2011</td> </tr> </tbody> </table>		Name	Execution Date	Gregory Citver	11/08/2011	Semaan Fersan	11/07/2011	Kasegn D. Tekletsadik	11/17/2011	Scott Nickerson	11/07/2011	Charles L. Stanley	11/08/2011	Eric D. Hermanson	11/07/2011
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Eric D. Hermanson	11/07/2011														
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" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th style="width:30%;">Property Type</th> <th>Number</th> </tr> </thead> <tbody> <tr> <td>Application Number:</td> <td>13299131</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	13299131										
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Application Number:	13299131														
CORRESPONDENCE DATA															
Fax Number:	(978)281-3268														
Phone:	978-282-5818														
Email:	constance.ouellette@vsea.com														
<i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent via US Mail.</i>															
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:	2011-113														

CH \$40.00 13299131

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**PATENT
 REEL: 027260 FRAME: 0460**

NAME OF SUBMITTER:

Scott R. Faber

Total Attachments: 9

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ASSIGNMENT

WHEREAS, the undersigned, to wit:

- (1) Gregory CITVER
- (2) Semaan FERSAN
- (3) Kasegn D. TEKLETSADIK
- (4) Scott NICKERSON
- (5) Charles L. STANLEY
- (6) Eric D. HERMANSON

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

"TECHNIQUES FOR PROTECTING A SUPERCONDUCTING (SC) ARTICLE"

- (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 U.S. Patent Application No. _____ on _____, 2011;

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 therefor, 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

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 herein 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, divisionals, reissues, re-examinations, substitutions, or 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, or 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 proper protection for said invention in all countries;

ASSIGNOR also does hereby grant the firm of Wilmer, Cutler, Pickering, Hale & Dorr LLP of 1875 Pennsylvania Avenue, N.W., Washington, D.C., 20006, or its agents, 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:

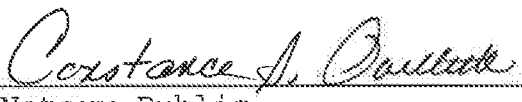
(1) IN WITNESS WHEREOF, I have hereunto set my hand and seal
this 8 day of November, 2011.

Sign: 
Print Name: Gregory Citver
Print Address: 249 Conant Street
Danvers, MA 01923

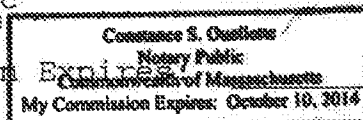
COMMONWEALTH/STATE OF Massachusetts

COUNTY OF Essex

Before me, a Notary Public in and for the
Commonwealth/State of Massachusetts, did personally appear the
above-named Gregory CITVER, 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 8th day of
November, 2011.

Sign: 
Notary Public

My Commission Expires



(2) IN WITNESS WHEREOF, I have hereunto set my hand and seal
this 7 day of November, 2011.

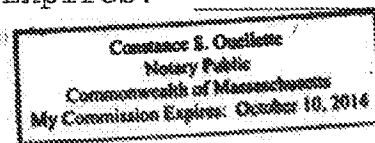
Sign: [Signature]
Print Name: Seeman Fersan
Print Address: 89 Ortins Road
Hamilton, MA 01982

COMMONWEALTH/STATE OF Massachusetts
COUNTY OF Essex

Before me, a Notary Public in and for the
Commonwealth/State of Massachusetts, did personally appear the
above-named Seeman FERSAN, 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 7th day of
November, 2011.

Sign: [Signature]
Notary Public

My Commission Expires:



(3) IN WITNESS WHEREOF, I have hereunto set my hand and seal
this 17 day of November, 2011.

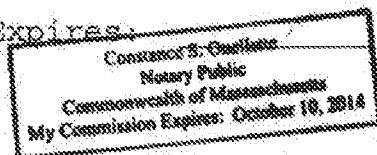
Sign: Kasegn Tekletsadik
Print Name: Kasegn D. Tekletsadik
Print Address: 7 Nelson Circle
Middleton, MA 01923

COMMONWEALTH/STATE OF Massachusetts
COUNTY OF Essex

Before me, a Notary Public in and for the
Commonwealth/State of Massachusetts, did personally appear the
above-named Kasegn D. TEKLETSADIK, 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 17 day of November, 2011.

Sign: Constance S. Ouellette
Notary Public

My Commission Expires:



(4) IN WITNESS WHEREOF, I have hereunto set my hand and seal
this 7 day of November, 2011.

Sign: *Scott Nickerson*
Print Name: Scott Nickerson
Print Address: 27 Partridge Lane
Plaistow, NH 03865

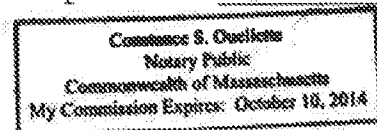
COMMONWEALTH/STATE OF Massachusetts

COUNTY OF Essex


Before me, a Notary Public in and for the
Commonwealth/State of Massachusetts, did personally appear the
above-named Scott NICKERSON, 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 7th day of November, 2011.

Sign: *Constance S. Ouellette*
Notary Public

My Commission Expires: _____

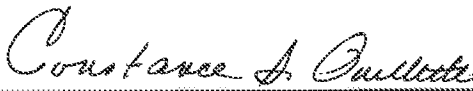


(5) IN WITNESS WHEREOF, I have hereunto set my hand and seal
this 8 day of November 2011.

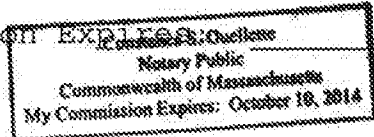
Sign: 
Print Name: Charles L. Stanley
Print Address: 5 Woodridge Lane
Amesbury, MA 01913

COMMONWEALTH/STATE OF Massachusetts
COUNTY OF Essex

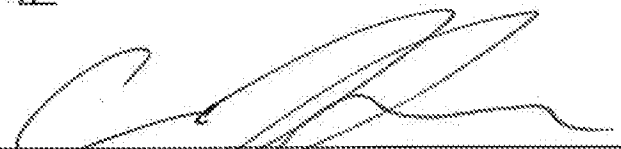
Before me, a Notary Public in and for the
Commonwealth/State of Massachusetts, did personally appear the
above-named Charles L. STANLEY, personally known to me and/or
proved to me on the basis of satisfactory evidence to be the
person who signed and sealed the foregoing instrument and
acknowledged the same to be his or her own free act and deed,
this 8th day of November, 2011.

Sign: 
Notary Public

My Commission ~~EXPIRES~~ Expires

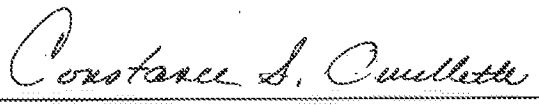


(6) IN WITNESS WHEREOF, I have hereunto set my hand and seal
this 7 day of November, 2011.

Sign: 
Print Name: Eric D. Hermanson
Print Address: 360 North Street
Georgetown, MA 01833

COMMONWEALTH/STATE OF Massachusetts
COUNTY OF Essex

Before me, a Notary Public in and for the
Commonwealth/State of Massachusetts, did personally appear the
above-named Eric D. HERMANSON, 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 7th day of November, 2011.

Sign: 
Notary Public

My Commission Expires:

