

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>Steven Walther</td> <td>09/13/2005</td> </tr> <tr> <td>Ukyo Jeong</td> <td>12/09/2005</td> </tr> <tr> <td>Sandeep Mehta</td> <td>11/10/2005</td> </tr> </tbody> </table>		Name	Execution Date	Steven Walther	09/13/2005	Ukyo Jeong	12/09/2005	Sandeep Mehta	11/10/2005
Name	Execution Date								
Steven Walther	09/13/2005								
Ukyo Jeong	12/09/2005								
Sandeep Mehta	11/10/2005								
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>11217700</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	11217700				
Property Type	Number								
Application Number:	11217700								
CORRESPONDENCE DATA									
Fax Number:	(518)449-0047								
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>									
Phone:	5184490044								
Email:	lsagarese@hwdpatents.com								
Correspondent Name:	Hoffman, Warnick & D'Alessandro, LLC								
Address Line 1:	75 State Street, 14th Floor								
Address Line 4:	Albany, NEW YORK 12207								
ATTORNEY DOCKET NUMBER:	2002-068								
NAME OF SUBMITTER:	Spencer K. Warnick								
Total Attachments: 2 source=2002-068_signed.assignment#page1.tif source=2002-068_signed.assignment#page2.tif									

OP \$40.00 11217700

PATENT

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PATENT ASSIGNMENT FORM

For and in consideration of good and valuable consideration, the receipt and sufficiency thereof being hereby acknowledged, each undersigned inventor acknowledges his/her prior and ongoing obligation to sell, assign, and transfer, and agrees to sell, assign, and transfer the entire world wide right, title and interest for the United States and all foreign countries, in and to any and all inventions and improvements conceived during and within the scope of his/her employment, and further acknowledges that he/she has sold, assigned, and transferred, and hereby sells, assigns, and transfers, unto:

**VARIAN SEMICONDUCTOR EQUIPMENT ASSOCIATES, INC. ("VSEA")
Gloucester, Massachusetts 01930**

a corporation of Massachusetts, and VSEA desires to acquire all right, title, and interest, in and to the certain inventions (identified below), applications, and any United States and foreign patents to be obtained therefor relating to:

Title of Invention: **ION IMPLANT BEAM ANGLE INTEGRITY MONITORING AND ADJUSTING**

as set forth in United States Patent Application identified by Attorney Docket Number 2002-068 and

(select one): executed concurrently herewith or Serial No. _____ Filed on August 31, 2005

including any and all divisions or continuations thereof and in and to any and all Letters Patent of the United States and foreign patents and all rights of priority to be obtained therefor which may issue on any such application or for said invention therein disclosed, including any and all releases or extensions thereof, to be held and enjoyed by, its successors, legal representatives and assigns to the full end of the term or terms for which any and all such Letters Patent may be granted as fully and entirely as would have been held and enjoyed by the undersigned had this Assignment not been made;

Each undersigned inventor hereby authorizes and requests the Commissioner of Patents and Trademarks to issue any and all such Letters Patent to VSEA, its successors and assigns, in accordance herewith;

Each undersigned inventor warrants and covenants that he/she has the full and unencumbered right to sell and assign the interests hereby sold and assigned and that he/she has not executed and will not execute any document or instrument in conflict herewith;

Each undersigned inventor further covenants and agrees that he/she, upon the request and at the expense of VSEA, will execute and deliver any papers, make all rightful oaths, testify in any legal proceeding relating to said inventions and improvements, communicate to VSEA all facts known to the undersigned relating to such inventions and improvements and the history thereof; and perform all other lawful acts deemed necessary or desirable by VSEA, and its legal representatives, to secure, maintain, and enforce patent protection for such inventions and improvements and for vesting title to such inventions and improvements in VSEA, and in particular to perfect title to said above-identified certain inventions, and applications including divisions and continuations thereof, and any and all Letters Patent which may be granted therefor or thereon, including releases, extensions, or counterparts;

Each undersigned inventor hereby grants VSEA and the firm of Hoffman, Warnick & D'Alessandro LLC the power to insert in this Assignment any further identification which may be necessary or desirable for recordation of this Assignment.

This assignment is governed by the substantive laws of the commonwealth of Massachusetts.

Executed by Inventor 1 of 3

Signature: Steven R. Walther Date: 9/13/05
Steven Walther

Executed by Inventor 2 of 3

Signature: Ukyo Jeong Date: 12/9/05
Ukyo Jeong

Executed by Inventor 3 of 3

Signature: Sandeep Mehta Date: 11/10/05
Sandeep Mehta