

PATENT ASSIGNMENT

Electronic Version v1.1
 Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
Steven R. Walther	06/03/2004
Rajesh Dorai	06/04/2004
Harold Persing	06/03/2004
Jay Scheuer	06/03/2004
Bjorn O. Pedersen	06/08/2004
Chris Leavitt	06/04/2004
Timothy Miller	06/03/2004
Bon-Woong Koo	06/04/2004

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:	10817755

CORRESPONDENCE DATA

Fax Number: (617)832-7000
Correspondence will be sent via US Mail when the fax attempt is unsuccessful.
 Phone: 6178321241
 Email: tbarbuto@fhe.com
 Correspondent Name: Kevin A. Oliver
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 Address Line 2: Seaport World Trade Center West
 Address Line 4: Boston, MASSACHUSETTS 02210

CH \$40.00 10817755

NAME OF SUBMITTER:

Kevin A. Oliver

Total Attachments: 4

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ASSIGNMENT

Whereas we, Steven R. Walther, whose residence address is 83 Morton Street, Andover, MA, Rajesh Dorai, whose residence address is 36 Main Street, Rockport, MA, Harold Persing, whose residence address is 101 Granite Street, Rockport, MA 01966, Jay Scheuer, whose residence address is 188 Wethersfield Street, Rowley, MA 01969, Bon-Woong Koo, whose residence address is 41 Juniper Road, Andover, MA, Bjorn O. Pedersen, whose residence address is 3 Comanche Circle, Chelmsford, MA, Chris Leavitt, whose residence address is 288 Magnolia Avenue, Gloucester, MA 01930, and Timothy Miller, whose residence address is 54 Mill Street, South Hamilton, MA 01987, have made certain inventions or discoveries (or both) set forth in an application for Letters Patent of the United States of America entitled FARADAY DOSE AND UNIFORMITY MONITOR FOR PLASMA BASED ION IMPLANTATION, identified by Foley Hoag LLP Docket No. VRO-022.01, the specification of which was filed on April 2, 2004, and accorded Serial Number 10/817,755; and

Whereas Varian Semiconductor Equipment Associates, Inc., whose address is 35 Dory Road, Gloucester, MA 01930, and which, together with its successors and assigns, is hereinafter called "Assignee," is desirous of acquiring the title, rights, benefits, and privileges hereinafter recited;

Now, therefore, for valuable consideration furnished by Assignee to us, the receipt and sufficiency of which we hereby acknowledge, we hereby, without reservation:

1. Assign, transfer, and convey to Assignee our entire right, title, and interest in and to said inventions and discoveries, said application for Letters Patent of the United States of America, any and all other applications for Letters Patent on said inventions and discoveries in whatsoever countries, including all divisional, renewal, substitute, continuation, continuation-in-part, and Convention applications based in whole or in part upon said inventions or discoveries, or upon said applications, and any and all Letters Patent, reissues, reexaminations, and extensions of Letters Patent granted for said inventions and discoveries or upon said applications, and every priority right that is or may be predicated upon or arise from said inventions, said discoveries, said applications, and said Letters Patent;

2. Authorize Assignee to file patent applications in any or all countries on any or all of said inventions and discoveries in our names or in the name of Assignee or otherwise as Assignee may deem advisable, under the International Convention or otherwise;

3. Authorize and request the Commissioner of Patents and Trademarks of the United States of America and the empowered officials of all other governments to issue or transfer all said Letters Patent to Assignee, as assignee of the entire right, title, and interest therein or otherwise as Assignee may direct;

4. Warrant that we have not knowingly conveyed to others any right in said inventions, discoveries, applications, or patents or any license to use the same or to make, use, or sell anything embodying or utilizing any of said inventions or discoveries; and that we have good right to assign the same to Assignee without encumbrance;

5. Bind our heirs, legal representatives and assigns, as well as ourselves, to do, upon Assignee's request and at Assignee's expense, but without additional consideration to us or them, all acts reasonably serving to assure that the said inventions and discoveries, the said patent applications, and the said Letters Patent shall be held and enjoyed by Assignee as fully and entirely as the same could have been held and enjoyed by us, our heirs, legal representatives, and assigns if this assignment had not been made; and particularly to execute and deliver to Assignee all lawful application documents including petitions, specifications, and oaths, and all assignments, disclaimers, and lawful affidavits in form and substance as may be requested by Assignee; to communicate to Assignee all facts known to us relating to said inventions and discoveries or the history thereof; and to furnish Assignee with any and all documents, photographs, models, samples, and other physical exhibits in our control or in the control of our heirs, legal representatives or assigns which may be useful for establishing the facts of our conceptions, disclosures, and reduction to practice of said inventions and discoveries.

In testimony of which we have executed this Assignment as an instrument under seal on the dates indicated next to our names.

6/3/04
Date

Steven R. Walther
Steven R. Walther, Inventor

6/3/04
Date

[Signature]
Witness

SKY KO
Witness's Printed Name

06/04/04
Date

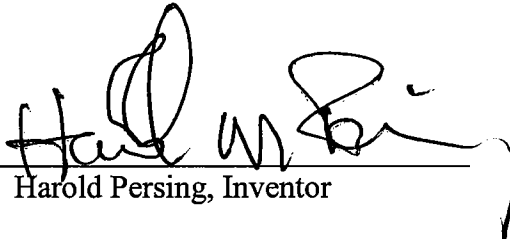
[Signature]
Rajesh Dorai, Inventor

06/04/04
Date

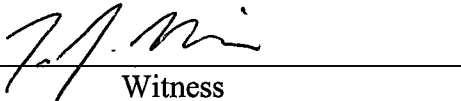
James S Buff
Witness

James S Buff
Witness's Printed Name

6/3/04
Date



Harold Persing, Inventor

6/3/04
Date

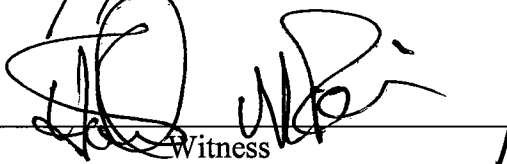

Witness

~~6/3/04~~ Timothy Miller
Witness's Printed Name

6-3-04
Date

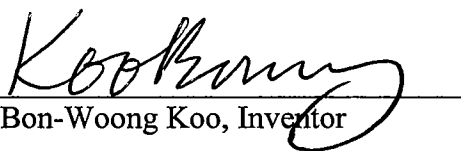

Jay Scheuer, Inventor

6-3-04
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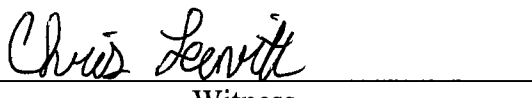

Witness

HAROLD M. PERSING
Witness's Printed Name

6/4/04
Date



Bon-Woong Koo, Inventor

6/4/04
Date

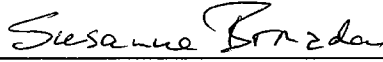

Witness

Chris Leavitt
Witness's Printed Name

6/8/04
Date


Bjorn O. Pederson, Inventor
e BP 6/8/04

6/8/04
Date

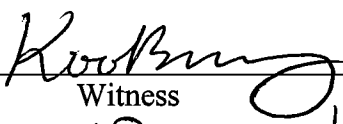

Witness

SUSANNE BRNADA
Witness's Printed Name

6/4/04
Date

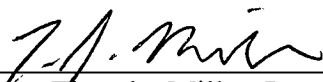

Chris Leavitt, Inventor

6/4/04
Date

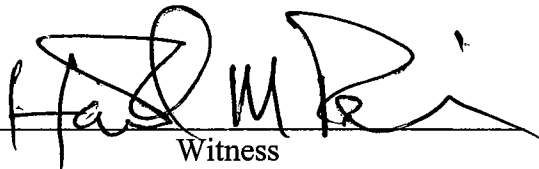

Witness

BUN-WOONG KEO
Witness's Printed Name

6/3/04
Date


Timothy Miller, Inventor

6/3/04
Date


Witness

HAROLD M PERSING
Witness's Printed Name