

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>Execution Date</th> </tr> </thead> <tbody> <tr> <td>Thomas N. Horsky</td> <td>12/16/2002</td> </tr> <tr> <td>John Noel Williams</td> <td>12/19/2002</td> </tr> </tbody> </table>		Name	Execution Date	Thomas N. Horsky	12/16/2002	John Noel Williams	12/19/2002
Name	Execution Date						
Thomas N. Horsky	12/16/2002						
John Noel Williams	12/19/2002						
RECEIVING PARTY DATA							
Name:	SemEquip Inc.						
Street Address:	34 Sullivan Road						
Internal Address:	Unit #`21						
City:	Billerica						
State/Country:	MASSACHUSETTS						
Postal Code:	01862						
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>10887426</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	10887426		
Property Type	Number						
Application Number:	10887426						
CORRESPONDENCE DATA							
Fax Number:	(312)902-1061						
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>							
Phone:	312-902-5200						
Email:	johnp@kattenlaw.com						
Correspondent Name:	John S. Paniaguas						
Address Line 1:	525 West Monroe Street						
Address Line 4:	Chicago, ILLINOIS 60661						
ATTORNEY DOCKET NUMBER:	211843-00036						
NAME OF SUBMITTER:	John S. Paniaguas						
Total Attachments: 3 source=211843-00036 Assignment#page1.tif source=211843-00036 Assignment#page2.tif							

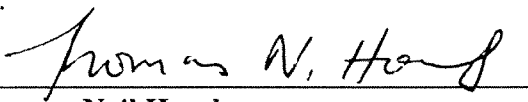
CH \$40.00 10887426

ASSIGNMENT

IN CONSIDERATION of other good and valuable consideration, the receipt of which is hereby acknowledged, We, **Thomas Neil Horsky** residing at **816 Depot Road, Boxborough, Massachusetts 01719, County of Middlesex** and **John Noel Williams** residing at **168 Beacon Street, Residence #2, Boston Massachusetts 02116-1401, County of Suffolk** do hereby sell, assign and transfer unto **SemEquip, Inc.**, a corporation organized and existing under the laws of the State of **Delaware** having its principle place of business at **34 Sullivan Road, Unit #21, Billerica, Massachusetts 01862**, its successors, assigns and legal representatives, the entire right, title and interest for the United States and its territories, and all foreign countries, in and to the invention filed on June 12, 2002, assigned Application No. **10/170,512**, entitled **Ion Implantation Ion Source, System and Method** and as set forth in an application for an international patent application under the Patent Cooperation Treaty, filed December 13, 2000 and assigned Application No. **PCT/US00/33786**, as well as the following U.S. provisional patent applications upon which the international application claims priority: Serial No. **60/170,473**, filed December 13, 1999, and Serial No. **60/250,080**, filed November 30, 2000; and all the entire right, title and interest in and to any and all United States and foreign Letters Patents that may be granted for said invention, and all divisions, continuations, renewals, reissues, and extensions thereof, and the applications therefor, and the right to claim the priority of this international patent application in any U.S. and all foreign countries where application for patent on said invention may be filed; and we hereby agree to execute such other lawful documents and perform such other lawful acts as are requested for securing to said assignee, its successors, assigns and legal representatives, all of the rights to said invention.

WE HEREBY AUTHORIZE AND REQUEST the Commissioner of Patents and Trademarks to issue the Letters Patent to said assignee, its successors and assigns, pursuant to the terms of this Assignment.

IN WITNESS WHEREOF, I have signed, sealed and delivered this instrument this 16th day of December, 2002.



 Thomas Neil Horsky

STATE OF MASSACHUSETTS)
) ss:
 COUNTY OF MIDDLESEX)

BE IT REMEMBERED that on this 11th day of December, 2002, before me, a Notary Public, duly commissioned, qualified and acting in and for the County and State aforesaid, came **Thomas Neil Horsky** who is personally known to me to be the identical person described in and who executed and signed the foregoing instrument of writing, and duly acknowledged that he executed the same as his free act and deed, for the purposes and considerations therein expressed.

IN WITNESS WHEREOF, I hereunto set my hand and affix my official seal the day and year aforesaid.

James Butterfield

 Notary Public

My Commission Expires:
1-23-09

IN WITNESS WHEREOF, I have signed, sealed and delivered this instrument this _____ day of _____, 2002.

John Noel Williams

STATE OF MASSACHUSETTS)
) ss:
 COUNTY OF SUFFOLK)

BE IT REMEMBERED that on this ____ day of _____, 2002, before me, a Notary Public, duly commissioned, qualified and acting in and for the County and State aforesaid, came **John Noel Williams** who is personally known to me to be the identical person described in and who executed and signed the foregoing instrument of writing, and duly acknowledged that he executed the same as his free act and deed, for the purposes and considerations therein expressed.

IN WITNESS WHEREOF, I hereunto set my hand and affix my official seal the day and year aforesaid.

 Notary Public

My Commission Expires:

BE IT REMEMBERED that on this ____ day of _____, 2002, before me, a Notary Public, duly commissioned, qualified and acting in and for the County and State aforesaid, came **Thomas Neil Horsky** who is personally known to me to be the identical person described in and who executed and signed the foregoing instrument of writing, and duly acknowledged that he executed the same as his free act and deed, for the purposes and considerations therein expressed.

IN WITNESS WHEREOF, I hereunto set my hand and affix my official seal the day and year aforesaid.

Notary Public

My Commission Expires:

IN WITNESS WHEREOF, I have signed, sealed and delivered this instrument this 19th day of December, 2002.

John Noel Williams
John Noel Williams

STATE OF MASSACHUSETTS)
) ss:
COUNTY OF SUFFOLK)

BE IT REMEMBERED that on this 19th day of December, 2002, before me, a Notary Public, duly commissioned, qualified and acting in and for the County and State aforesaid, came **John Noel Williams** who is personally known to me to be the identical person described in and who executed and signed the foregoing instrument of writing, and duly acknowledged that he executed the same as his free act and deed, for the purposes and considerations therein expressed.

IN WITNESS WHEREOF, I hereunto set my hand and affix my official seal the day and year aforesaid.

[Signature]
Notary Public

My Commission Expires:
June 5, 2003