

04-27-2001

Substitute Form PTO-1595  
Attorney Docket No.: 12215-002001



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### RECORDATION FORM COVER SHEET PATENTS ONLY

Commissioner for Patents: Please record the attached original document(s) or copy(ies).	
1. Name of conveying party(ies): Thomas N. Horsky Additional name(s) attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	2. Name and address of receiving party(ies): SEMEQUIP, INC. 132 Great Road Suite 200 Stow, MA 01775  Additional names/addresses attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
3. Nature of conveyance: <input checked="" type="checkbox"/> Assignment <input type="checkbox"/> Merger <input type="checkbox"/> Security Agreement <input type="checkbox"/> Change of Name <input type="checkbox"/> Other:  Execution Date: April 5, 2001	
4. Application number(s) or patent number(s): If this document is being filed with a new application, the execution date of the application is: A. Patent Application No(s): 09/736,097 B. Patent No(s):  Additional numbers attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
5. Name/address of party to whom correspondence concerning document should be mailed:  JOHN N. WILLIAMS Fish & Richardson P.C. 225 Franklin Street Boston, MA 02110-2804	6. Total number of applications/patents involved: 1  7. Total fee (37 CFR §3.41): \$40 <input checked="" type="checkbox"/> Enclosed <input type="checkbox"/> Authorized to charge Deposit Account.  8. Deposit Account No.: 06-1050 Please apply any additional charges, or any credits, to our Deposit Account No. 06-1050.
DO NOT USE THIS SPACE	
9. Statement and Signature: <i>To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.</i>	
John N. Williams Reg. No. 18,948 Name of Person Signing	 Signature   Date
Total number of pages including coversheet, attachments and document: 3	

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#### CERTIFICATE OF MAILING BY FIRST CLASS MAIL

I hereby certify under 37 CFR §1.8(a) that this correspondence is being deposited with the United States Postal Service as first class mail with sufficient postage on the date indicated below and is addressed to the Commissioner of Patents, Washington, D.C. 20231.

April 10, 2001  
Date of Deposit

Signature  
Lisa B. Gray  
Typed Name of Person Signing Certificate

**PATENT**  
**REEL: 011719 FRAME: 0127**

## ASSIGNMENT

For valuable consideration, I, THOMAS N. HORSKY of 816 Depot Road  
Boxborough, MA 01719, hereby assign to: SEMEQUIP, INC., a Massachusetts corporation  
having a place of business at: 132 Great Road, Suite 200, Stow, MA 01775; and  
its successors and assigns (collectively hereinafter called "the Assignee"), the entire right, title  
and interest throughout the world in the inventions and improvements which are subject of an  
application for United States Patent signed by me, entitled ELECTRON BEAM ION SOURCE  
WITH INTEGRAL LOW-TEMPERATURE VAPORIZER, filed December 13, 2000, and  
assigned U.S. Serial Number 09/736,097, and I authorize and request the attorneys appointed in  
said application to hereafter complete this assignment by inserting above the filing date and  
serial number of said application when known; this assignment including said application, any  
and all United States and foreign patents, utility models, and design registrations granted for any  
of said inventions or improvements, and the right to claim priority based on the filing date of said  
application under the International Convention for the Protection of Industrial Property, the  
Patent Cooperation Treaty, the European Patent Convention, and all other treaties of like  
purposes; and I authorize the Assignee to apply in all countries in my name or in its own name  
for patents, utility models, design registrations and like rights of exclusion and for inventors'  
certificates for said inventions and improvements; and I agree for me and my respective heirs,  
legal representatives and assigns, without further compensation to perform such lawful acts and  
to sign such further applications, assignments, Preliminary Statements and other lawful  
documents as the Assignee may reasonably request to effectuate fully this assignment.

IN WITNESS WHEREOF, I hereto set my hand and seal at Boston, Mass,  
this 5<sup>th</sup> day of April, 2001  
Thomas N. Horsky L.S.  
THOMAS N. HORSKY

State of Massachusetts :  
: ss.  
County of Suffolk :

Before me this 5<sup>th</sup> day of April, 2001, personally  
appeared THOMAS N. HORSKY known to me to be the person whose name is subscribed to the  
foregoing Assignment and acknowledged that he executed the same as his free act and deed for  
the purposes therein contained.

[Signature]  
Notary Public  
My Commission Expires: June 5, 2003

[Notary's Seal Here]