

PATENT ASSIGNMENT

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	NUNC PRO TUNC ASSIGNMENT
EFFECTIVE DATE:	09/10/2002
CONVEYING PARTY DATA	
Name	Execution Date
Dale C. Jacobson	09/10/2002
RECEIVING PARTY DATA	
Name:	SemEquip, Inc.
Street Address:	34 Sullivan Road
City:	North Billerica
State/Country:	MASSACHUSETTS
Postal Code:	01862-2000
PROPERTY NUMBERS Total: 1	
Property Type	Number
Patent Number:	6686595
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Total Attachments: 1 source=Assignment#page1.tif	

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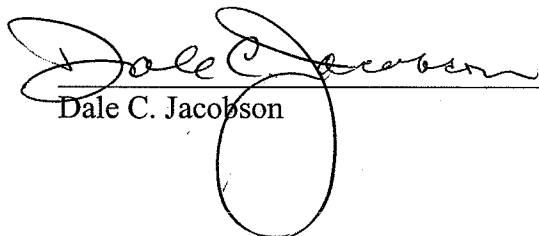
PATENT
REEL: 021890 FRAME: 0053

NUNC PRO TUNC
ASSIGNMENT

IN CONSIDERATION of good and valuable consideration, the receipt of which is hereby acknowledged, effective as of September 10, 2002, I, **Dale C. Jacobson, 16 Flintlock Road, Salem, New Hampshire, 03079**, do hereby sell, assign and transfer unto **SemEquip, Inc.**, a company organized and existing under the laws of the State of **Delaware** having its principle place of business at **34 Sullivan Road, North Billerica, Massachusetts 01862-2000**, 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 set forth in an application for a patent, filed on June 26, 2002, Application No. 10/183,768, issued as U.S. Patent Number 6,686,595, entitled "**ELECTRON IMPACT SOURCE**," and all the right, title and interest in and to said application and 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 any U.S. and 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. Assignors hereby grant Assignee the entire right, title, and interest to sue and collect damages for past infringement.

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 14th day of November, 2008.


Dale C. Jacobson