

1/21/05

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U.S. DEPARTMENT OF COMMERCE
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102933737

To the Director of the U.S. Patent and Trademark Office

Documents or the new address(es) below.

1. Name of conveying party(ies)/Execution Date(s):

Bernard Spielvogel
Kevin Cook

Execution Date(s): January 18, 2005

Additional name(s) of conveying party(ies) attached? Yes No

3. Nature of Conveyance:

- Assignment Merger
- Security Agreement Change of Name
- Government Interest Assignment
- Executive Order 9424, Confirmatory License
- Other _____

2. Name and address of receiving party(ies)

Name: SemEquip Inc.

Internal Address: _____

Street Address: _____

34 Sullivan Road, Unit #21

City: North Billerica

State: Massachusetts

Country: United States of America Zip: 01862

Additional name(s) & address(es) attached? Yes No

4. Application or patent number(s):

This document is being filed together with a new application.

A. Patent Application No.(s)

This application

B. Patent No.(s)

Additional numbers attached? Yes No

5. Name and address to whom correspondence concerning document should be mailed:

Name: John B. Alexander, Ph.D.
EDWARDS & ANGELL, LLP

Internal Address: Atty. Dkt.: 60423 (50344)

Street Address: P.O. Box 55874

City: Boston

State: MA Zip: 02205

Phone Number: (617) 439-4444

Fax Number: (617) 439-4170

Email Address: jalexander@edwardsangell.com

6. Total number of applications and patents involved:

1

7. Total fee (37 CFR 1.21(h) & 3.41) \$ 40.00

Authorized to be charged by credit card

Authorized to be charged to deposit account

Enclosed

None required (government interest not affecting title)

8. Payment Information

a. Credit Card Last 4 Numbers _____

Expiration Date _____

b. Deposit Account Number 04-1105

Authorized User Name John B. Alexander, Ph.D.

9. Signature:

January 21, 2005

Signature

Date

John B. Alexander, Ph.D. - 48,399

Total number of pages including cover sheet, attachments, and documents:

4

I hereby certify that this correspondence is being deposited with the U.S. Postal Service as Express Mail, Airbill No. EV517930335US, in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450, on the date shown below.

Dated: January 21, 2005

Signature: (John B. Alexander, Ph.D.)

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PATENT
REEL: 016220 FRAME: 0789

ASSIGNMENT

KNOW ALL MEN BY THESE PRESENTS, THAT

WHEREAS, We, **Bernard SPIELVOGEL and Kevin COOK** (hereinafter designated as the undersigned), having invented certain new and useful improvements in **ISOTOPICALLY-ENRICHED BORANES AND METHODS OF PREPARING THEM**, for which U.S. patent application has been filed on **January 21, 2005** and received application number _____ and

WHEREAS, **SemEquip Inc., 34 Sullivan Road, Unit #21, North Billerica, Massachusetts 01862**, its heirs, successors, legal representatives and assigns (hereinafter designated as the Assignee) is desirous of acquiring the entire right, title and interest in and to said invention and to any Letters Patent(s) that may be granted therefor in the United States of America;

NOW, THEREFORE, in consideration of the sum of One Dollar (\$1.00) to the undersigned in hand paid, the receipt of which is hereby acknowledged, and other good and valuable consideration, the undersigned has (have) sold, assigned and transferred, and by these presents do sell, assign and transfer unto the Assignee the full and exclusive right to the said invention in the United States of America and its territories, dependencies and possessions and the entire right, title and interest in and to any and all Letters Patent(s) which may be granted therefor in the United States of America and its territories, dependencies and possessions, and in and to any and all divisions, reissues, continuations and extensions thereof for the full term or terms for which the same may be granted.

The undersigned also have sold, assigned, and transferred, and do hereby sell, assign and transfer to the Assignee, their entire right, title and interest in and to the invention disclosed in said application, in all countries of the world foreign to the United States, including the right to file applications and obtain patents for said invention in its own name in said countries and including all rights of priority in said countries under the terms of any applicable international convention; to have and to hold for the sole and exclusive use and benefit of the Assignee, to the full end of the term or terms for which any and all of said Letters Patent for said invention may issue, to the same extent as the undersigned would hold and enjoy if this Assignment had not been made.

The undersigned agree(s) to execute any and all patent applications, assignments, affidavits, and any other papers in connection therewith necessary to perfect such patent rights, and also agree, at the request of the Assignee, to testify in any legal proceedings including interferences, sign all lawful papers, make all lawful oaths, and generally do everything possible to aid the Assignee, its successors and assigns, to obtain, maintain and enforce patent protection for the invention in all countries.

The undersigned also agree(s) to execute all papers and documents and to perform any act which may be necessary in connection with claims or provisions of the International Convention for the Protection of Industrial Property or similar agreements.

The undersigned hereby authorize(s) and request(s) the Commissioner of Patents and Trademarks to issue any and all Letters Patents of the United States of America resulting from said application or any division or divisions or continuing or reissue applications thereof to the Assignee, as Assignee of the entire interest, and hereby covenants that he or she has the full right to convey the entire interest herein assigned, and that he or she has not executed, and will not execute, any agreement in conflict herewith.

The undersigned hereby grant(s) the law firm of

EDWARDS & ANGELL, LLP
P. O. Box 55874
Boston, MA 02205
Tel. No. (617) 439-4444

the power to insert on this Assignment any further identification which may be necessary or desirable in order to comply with the rules of the U.S. Patent and Trademark Office for recordation of this document.

In witness whereof, signed by the undersigned on the date(s) opposite the undersigned name(s).

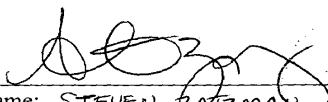


Signature of Inventor
Bernard SPIELVOGEL

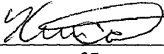
Jan 18, 2005

Date

Before me this 18th day of January, 2005 personally appeared **Bernard SPIELVOGEL**, to me personally known to be the person who is described in and who executed the above instrument, and acknowledged to me that ~~she~~/he executed the same of ~~her~~/his own free will for the purpose therein set forth.



Name: **STEVEN ZATZMAN**
My commission expires: N/A
A NOTARY PUBLIC FOR PROVINCE OF NOVA SCOTIA
STEVEN G. ZATZMAN
A Barrister of the Supreme
Court of Nova Scotia

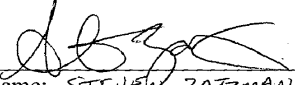


Signature of Inventor
Kevin COOK

Jan 18, 2005

Date

Before me this 18th day of January, 2005 personally appeared Kevin COOK, to me personally known to be the person who is described in and who executed the above instrument, and acknowledged to me that ~~she~~/he executed the same of ~~her~~/his own free will for the purpose therein set forth.



Name: STEVEN ZATZMAN
My commission expires: N/A
A NOTARY PUBLIC FOR PROVINCE
OF NOVA SCOTIA

STEVEN G. ZATZMAN
A Barrister of the Supreme
Court of Nova Scotia