

PATENT ASSIGNMENT

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| SUBMISSION TYPE: | NEW ASSIGNMENT |
| NATURE OF CONVEYANCE: | ASSIGNMENT |
| CONVEYING PARTY DATA | |
| Name | Execution Date |
| Anthony Graupera | 03/10/2010 |
| Sean Kellogg | 03/10/2010 |
| Tom Miller | 03/10/2010 |
| Shouyin Zhang | 03/10/2010 |
| Dustin Laur | 03/10/2010 |
| RECEIVING PARTY DATA | |
| Name: | FEI Company |
| Street Address: | 5350 NE Dawson Creek Dr. |
| City: | Hillsboro |
| State/Country: | OREGON |
| Postal Code: | 97124 |
| PROPERTY NUMBERS Total: 1 | |
| Property Type | Number |
| Application Number: | 12710602 |
| CORRESPONDENCE DATA | |
| Fax Number: | (512)306-1963 |
| <i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i> | |
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| Email: | PATENTS@SGNLAW.COM |
| Correspondent Name: | SCHEINBERG & GRINER, LLP |
| Address Line 1: | PO BOX 164140 |
| Address Line 4: | AUSTIN, TEXAS 78716 |
| ATTORNEY DOCKET NUMBER: | F425CIP |
| NAME OF SUBMITTER: | Robert McMinn |

OP \$40.00 12710602

Total Attachments: 5

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ASSIGNMENT

WHEREAS, I/We, Anthony Graupera, resident of Hillsboro, Oregon; Sean Kellogg, resident of Portland, Oregon; Tom Miller, resident of Portland, Oregon; Dustin Laur, resident of Forest Grove, Oregon; and Shouyin Zhang, resident of Portland, Oregon, (hereinafter called the "Assignors"), have invented certain new and useful inventions described in a patent application entitled "Plasma Igniter for an Inductively Coupled Plasma Ion Source," the specification of which:

- is attached hereto.
- was filed on February 23, 2010, and assigned U.S. Application No. 12/710,602.

WHEREAS, FEI Company, a company, having its principal place of business at 5350 NE Dawson Creek Dr, Hillsboro, Oregon 97124-5793 (herein called the "Assignee"), is desirous of acquiring and Assignors are desirous of assigning to FEI Company all right, title, and interest in and to said Invention, patents and patent applications on said Invention;

NOW, THEREFORE, Assignors, for good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, do hereby SELL, ASSIGN and CONVEY unto Assignee all right, title and interest throughout the world in and to said invention, this assignment including, but not being limited to:

1. All applications for patent or like protection on said Invention made by Assignor or his legal representatives, whether in the United States of America or any other country or place anywhere in the world;
2. All substitutions for and divisions, continuations, continuations-in-part, renewals, reissues, extension, and the like of said applications and patents and like grants, including

without limitation, those obtained or permissible under past, present and future laws or statutes;

3. All rights of action on account of past, present and future unauthorized use of said Invention and for infringement of said patents and like protection;

4. The right to file in its name applications for patents and like protection for said Invention in any country or countries foreign to the United States; and

5. All international rights or priority associated with said Invention, applications for patents, patents and like protection.

I/We hereby authorize and request the U.S. Patent and Trademark Office, and all other national patent offices in which corresponding applications are filed, to issue any patents for the said invention to said assignee, of the entire right, title, and interest in and to the same, for his solo use and behoof and for the use and behoof of his legal representatives, to the full end of the term for which said patent may be granted, as fully and entirely as the same would have been held by me had this assignment and sale not been made.

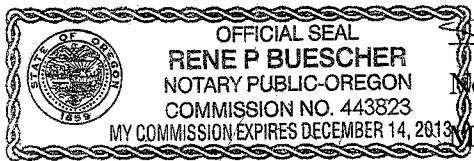
Assignors covenant that Assignors, their heirs, legal representatives, assigns, administrators, and executors will execute all papers and perform such other acts, with expenses if any to be paid by Assignee, as may be reasonably necessary to give Assignee, its successors and assigns, the full benefit of this Assignment. This Assignment shall be binding upon and shall inure to the benefit of the successors, assigns and legal representatives of the parties hereto.

EXECUTED on the date indicated below:

Date: 10 MARCH 2010 By: [Signature]
Anthony Graupera

State of OREGON) §
County of WASHINGTON) §

Before me personally appeared said Anthony Graupera, and acknowledged the foregoing instrument to be his free act and deed this 10th day of March, 2010.



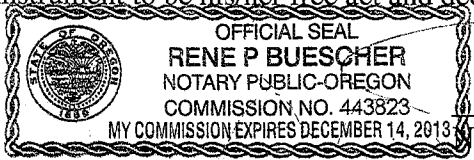
[Signature]
Notary Public
My Commission Expires: 12/14/2013

EXECUTED on the date indicated below:

Date: MARCH 10 2010 By: [Signature]
Sean Kellogg

State of Oregon) §
County of Washington) §

Before me personally appeared said Sean Kellogg, and acknowledged the foregoing instrument to be his/her free act and deed this 10th day of March, 2010.



[Signature]
Notary Public
My Commission Expires: 12/14/2013

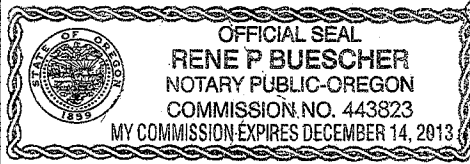
EXECUTED on the date indicated below:

Date: 03/10/2010

By: [Signature]
Tom Miller

State of Oregon) §
County of Washington) §

Before me personally appeared said Tom Miller, and acknowledged the foregoing instrument to be his/her free act and deed this 10th day of March, 2010.



[Signature]
Notary Public
My Commission Expires: 12/14/2013

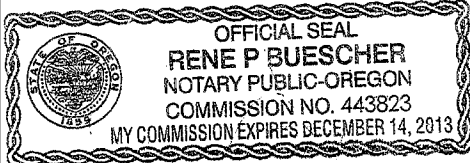
EXECUTED on the date indicated below:

Date: March 10, 2010

By: [Signature]
Shouyin Zhang

State of Oregon) §
County of Washington) §

Before me personally appeared said Shouyin Zhang, and acknowledged the foregoing instrument to be his/her free act and deed this 10th day of March, 2010.



[Signature]
Notary Public
My Commission Expires: 12/14/2013

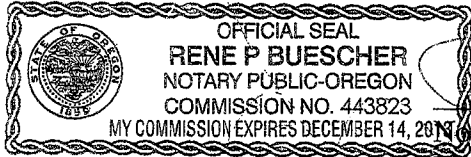
EXECUTED on the date indicated below:

Date: 03/10/2010

By: [Signature]
Dustin Laur

State of Oregon) §
County of Washington) §

Before me personally appeared said Dustin Laur, and acknowledged the foregoing instrument to be his/her free act and deed this 10th day of March, 2010.



[Signature]
Notary Public
My Commission Expires: 12/14/2013