

## PATENT ASSIGNMENT

Electronic Version v1.1

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SUBMISSION TYPE:	NEW ASSIGNMENT										
NATURE OF CONVEYANCE:	ASSIGNMENT										
CONVEYING PARTY DATA											
<table border="1"> <thead> <tr> <th>Name</th> <th>Execution Date</th> </tr> </thead> <tbody> <tr> <td>Michael James Owen</td> <td>12/10/2012</td> </tr> <tr> <td>Michael Buhot</td> <td>12/10/2012</td> </tr> </tbody> </table>		Name	Execution Date	Michael James Owen	12/10/2012	Michael Buhot	12/10/2012				
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RECEIVING PARTY DATA											
<table border="1"> <tr> <td>Name:</td> <td>FEI Company</td> </tr> <tr> <td>Street Address:</td> <td>5350 NE Dawson Creek Dr.</td> </tr> <tr> <td>City:</td> <td>Hillsboro</td> </tr> <tr> <td>State/Country:</td> <td>OREGON</td> </tr> <tr> <td>Postal Code:</td> <td>97124</td> </tr> </table>		Name:	FEI Company	Street Address:	5350 NE Dawson Creek Dr.	City:	Hillsboro	State/Country:	OREGON	Postal Code:	97124
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CORRESPONDENCE DATA											
<p>Fax Number: 5123061963  <i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i></p> <p>Phone: 5126370800  Email: patents@scheinbergip.com  Correspondent Name: Scheinberg &amp; Associates, PC  Address Line 1: PO BOX 164140  Address Line 4: Austin, TEXAS 97124</p>											
ATTORNEY DOCKET NUMBER:	F541										
NAME OF SUBMITTER:	John B. Kelly										
<p>Total Attachments: 3  source=F541Assignmentsigned#page1.tif  source=F541Assignmentsigned#page2.tif  source=F541Assignmentsigned#page3.tif</p>											

OP \$40.00 13661826

## ASSIGNMENT

WHEREAS, I/We, Michael James Owen, resident of Geebung, Queensland, Australia; and Michael Buhot, resident of Brisbane, Queensland, Australia (hereinafter called the "Assignors"), have invented certain new and useful inventions entitled "Mineral Identification Using Mineral Definitions Having Compositional Ranges," the specification of which:

- is attached hereto.
- was filed on October 26, 2012, and assigned U.S. Application No. 13/661,826

WHEREAS, FEI Company, a company, having its principal place of business at 5350 NE Dawson Creek Drive, 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 Assignors or their 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 Director of 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 sole 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.

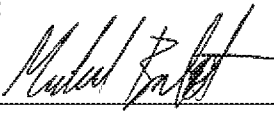
EXECUTED on the date indicated below:

Date: 12/10/2012  
(month/day/year)

By: M. Owen  
Name: Michael James Owen  
Address: 40 Sunbury St.  
Geebung, Queensland 4034 Australia

EXECUTED on the date indicated below:

Date: 12 / 10 / 2012  
(month/day/year)

By:   
Name: Michael Buhot  
Address: 26 Cavan St Annerley  
Brisbane, Queensland 4103 Australia