

## PATENT ASSIGNMENT

Electronic Version v1.1

Stylesheet Version v1.1

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>Chad Owen HARGRAVE</td><td>02/12/2008</td></tr><tr><td>David Charles REID</td><td>02/05/2008</td></tr><tr><td>David William HAINSWORTH</td><td>02/05/2008</td></tr><tr><td>Jonathan Carey RALSTON</td><td>02/05/2008</td></tr><tr><td>Ronald John McPHEE</td><td>02/11/2008</td></tr></tbody></table>	Name	Execution Date	Chad Owen HARGRAVE	02/12/2008	David Charles REID	02/05/2008	David William HAINSWORTH	02/05/2008	Jonathan Carey RALSTON	02/05/2008	Ronald John McPHEE	02/11/2008	
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RECEIVING PARTY DATA													
Name:	Commonwealth Scientific and Industrial Research Organisation												
Street Address:	Limestone Avenue												
City:	Campbell, ACT												
State/Country:	AUSTRALIA												
Postal Code:	2612												
PROPERTY NUMBERS Total: 1													
<table border="1"><thead><tr><th>Property Type</th><th>Number</th></tr></thead><tbody><tr><td>Application Number:</td><td>11913838</td></tr></tbody></table>	Property Type	Number	Application Number:	11913838									
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CORRESPONDENCE DATA													
Fax Number:	(612)332-9081												
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>													
Phone:	612.336.4755												
Email:	ccaron@merchantgould.com												
Correspondent Name:	Brian H. Batzli												
Address Line 1:	P.O. BOX 2903												
Address Line 2:	Merchant & Gould P.C.												
Address Line 4:	Minneapolis, MINNESOTA 55402-0903												
ATTORNEY DOCKET NUMBER:	03164.0216USWO												
NAME OF SUBMITTER:	Brian H. Batzli												

OP \$40.00 11913838

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PATENT  
REEL: 021811 FRAME: 0213

Total Attachments: 2

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**PATENT**

**REEL: 021811 FRAME: 0214**

## INSTRUCTIONS

Inventor(s) Name,  
Address, Citizenship

Check the appropriate box and fill  
in the requested information:

- select the first check box if the application is a national stage of a PCT application and provide the international application number and filing date before sending the assignment for execution;
- select the second check box if the application will be filed without the executed assignment - once the assignment is executed and the serial number and filing date of the U.S. application are known, provide this information before recordation;
- select the third check box if the application was previously filed and provide the serial number and filing date before sending the assignment for execution; or
- select the fourth check box if the application will be filed with the application.

Name of Corporation

State or Country of  
Incorporation and Address

## INTERNATIONAL ASSIGNMENT TO CORPORATION

WHEREAS,

1. Chad Owen HARGRAVE residing at 18 Brocklea Street Gaythorne QLD 4051, Australia and a citizen of Australia;
2. David Charles REID residing at 25 Billagal Drive Karana Downs QLD 4306 and a citizen of Australia;
3. David William HAINSWORTH residing at 3 Everard Street Westlake QLD 4074, Australia and a citizen of Australia;
4. Jonathan Carey RALSTON residing at 27 Newman Street Gaythorne QLD 4051, Australia and a citizen of Australia;
5. Michael Shawn KELLY residing at 335 Pullenvale Road Pullenvale QLD 4069, Australia and a citizen of Australia;
6. Ronald John McPHEE residing at 2 Bellerose Street The Gap QLD 4061, Australia and a citizen of Australia;

(herein called "THE UNDERSIGNED") have made an invention and have executed an application for Letters Patent of the United States entitled MINING METHODS AND APPARATUS and which:

- ☒ is the national stage application of International Application No. PCT/AU2005/000674 filed on 11 May 2005;
- ☐ will be filed without this executed PATENT ASSIGNMENT. THE UNDERSIGNED hereby authorizes, and requests, ASSIGNEE'S legal representatives, of Merchant & Gould PC, who are associated with customer number 23552, to insert here in parenthesis (U.S. Serial No. \_\_\_\_\_, filed \_\_\_\_\_) this application's U.S. Serial Number and filing date, when known;
- ☐ was filed on \_\_\_\_\_ and was given U.S. Serial No. \_\_\_\_\_; or
- ☐ is filed concurrently herewith;

AND WHEREAS Commonwealth Scientific and Industrial Research Organisation (herein called "ASSIGNEE"), a corporation organized under the laws of Australia, and having an office and place of business at Limestone Avenue Campbell, ACT 2612 Australia

wishes to acquire the entire right, title and interest in and to said invention and patent application and any Letters Patent to be obtained therefor;

NOW, THEREFORE, for and in consideration of the sum of One Dollar and

other good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, THE UNDERSIGNED hereby sell, assign and transfer to the ASSIGNEE, its successors and assigns, the entire right, title and interest for all countries in and to the invention disclosed in the aforesaid application, and in and to the said application, all divisions, continuations, or renewals thereof, all Letters Patent which may be granted therefrom, and all reissues or extensions of such patents, and in and to any and all applications which have been or shall be filed in any foreign countries for Letters Patent on the said invention including as assignment of all rights under the provisions of the International Convention, and all Letters Patent of foreign countries which may be granted therefrom; and THE UNDERSIGNED hereby authorize and request the Commissioner of Patents to issue any and all United States Letters Patent for the aforesaid invention to the ASSIGNEE of the entire right, title and interest in and to the same, for the use of the ASSIGNEE, its successors and assigns.

THE UNDERSIGNED hereby agree that THE UNDERSIGNED, their executors and legal representatives will make, execute and deliver (without charge but at the expense of the ASSIGNEE) any and all other instruments in writing including any and all further application papers, affidavits, assignments and other documents, and will communicate to said ASSIGNEE, its successors and representatives all facts known to THE UNDERSIGNED relating to said invention and the history thereof and will testify in all legal proceedings and generally do all things which may be necessary or desirable to vest the ASSIGNEE, its successors or assigns the entire right, title and interest in and to the said invention, applications, Letters Patent, rights, titles, benefits, privileges and advantages hereby sold, assigned and conveyed, or intended so to be.

THE UNDERSIGNED represent and agree with said ASSIGNEE its successors and assigns, that no assignment grant, mortgage, license or other agreement affecting the rights and property herein conveyed has been or will be made to others by THE UNDERSIGNED, and that full right to convey the same as herein expressed is possessed by THE UNDERSIGNED.

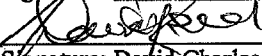
IN TESTIMONY WHEREOF, THE UNDERSIGNED have hereunto set their hand on the dates indicated below.

Each inventor must sign & date

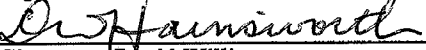
Note: No legalization or other witness required

  
Signature: Chad Owen HARGRAVE

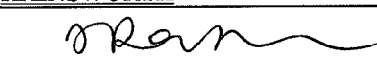
12-02-2008  
Date

  
Signature: David Charles REID

5 Feb 2008  
Date

  
Signature: David William HAINSWORTH

Feb 5 2008  
Date

  
Signature: Jonathan Carey RALSTON

Feb 5 2008  
Date

Signature: Michael Shawn KELLY

Date

  
Signature: Ronald John McPHEE

Feb 11 2008  
Date