

**PATENT ASSIGNMENT**

Electronic Version v1.1  
 Stylesheet Version v1.1

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT								
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT								
<b>CONVEYING PARTY DATA</b>									
<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th style="width:70%;">Name</th> <th>Execution Date</th> </tr> </thead> <tbody> <tr> <td>Elmar L. Muller</td> <td>02/27/2009</td> </tr> <tr> <td>Petrus Basson</td> <td>02/27/2009</td> </tr> <tr> <td>Michael J. Nicol</td> <td>02/20/2009</td> </tr> </tbody> </table>		Name	Execution Date	Elmar L. Muller	02/27/2009	Petrus Basson	02/27/2009	Michael J. Nicol	02/20/2009
Name	Execution Date								
Elmar L. Muller	02/27/2009								
Petrus Basson	02/27/2009								
Michael J. Nicol	02/20/2009								
<b>RECEIVING PARTY DATA</b>									
<b>Name:</b>	BHP Billiton SA Limited								
<b>Street Address:</b>	200 Malibongwe Drive								
<b>City:</b>	Randburg 2194								
<b>State/Country:</b>	SOUTH AFRICA								
<b>PROPERTY NUMBERS Total: 1</b>									
<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th style="width:30%;">Property Type</th> <th>Number</th> </tr> </thead> <tbody> <tr> <td>Application Number:</td> <td>12266028</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	12266028				
Property Type	Number								
Application Number:	12266028								
<b>CORRESPONDENCE DATA</b>									
<b>Fax Number:</b>	(312)321-4299								
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>									
<b>Phone:</b>	312.321.4200								
<b>Email:</b>	officeactions@brinkshofer.com								
<b>Correspondent Name:</b>	Brinks Hofer Gilson & Lione								
<b>Address Line 1:</b>	P.O. Box 10395								
<b>Address Line 2:</b>	c/o G. Peter Nichols								
<b>Address Line 4:</b>	CHICAGO, ILLINOIS 60611								
<b>ATTORNEY DOCKET NUMBER:</b>	10908/18								
<b>NAME OF SUBMITTER:</b>	G. Peter Nichols								

CH \$40.00 12266028

Total Attachments: 4  
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**RECORDATION FORM COVER SHEET**  
**PATENTS ONLY**

To the Director of the U.S. Patent and Trademark Office: Please record the attached documents or the new address(es) below:

**1. Name of conveying Party(ies):**

Elmar L. Muller  
Petrus Basson  
Michael J. Nicol

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

**2. Name and Address of receiving Party(ies):**

Name: **BHP Billiton SA Limited**  
Internal Address: **200 Malibongwe Drive, Randburg,  
2194, Pretoria, SOUTH AFRICA**

Additional name(s) and addresses attached?  Yes  No

**3. Nature of Conveyance/Execution Date(s):**

Execution Date(s): **Inventor Muller: 2/27/09;**  
**Inventor Basson: 2/27/09; Inventor Nicol: 2/20/09**

- |   |   |
|---|---|
| <input checked="" type="checkbox"/> Assignment                      | <input type="checkbox"/> Merger         |
| <input type="checkbox"/> Security Agreement                         | <input type="checkbox"/> Change of Name |
| <input type="checkbox"/> Joint Research Agreement                   |   |
| <input type="checkbox"/> Government Interest Assignment             |   |
| <input type="checkbox"/> Executive Order 9424, Confirmatory License |   |
| <input type="checkbox"/> Other: _____                               |   |

**4. Application or Patent Number(s).**

This document is being filed together with a new application.

A. Patent Application No.(s):

**12/266,028 filed November 6, 2008**

B. Patent No.(s):

Additional numbers attached?  Yes  No

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

BRINKS HOFER GILSON & LIONE  
PO BOX 10395  
CHICAGO, IL 60610  
Phone: (312) 321-4200  
Fax: (312) 321-4299

**6. Total no. of applications & patents involved: 1**

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

- Authorize charge by credit card
- Authorize charge to Deposit Account No. 23-1925
- Enclosed
- None required (government interest not affecting title)

**8. Payment Information:**

- a.  Credit Card: Last 4 Numbers \_\_\_\_\_  
Expiration Date \_\_\_\_\_
- b.  Charge fee and/or any Deficiencies to Deposit  
Account Number 23-1925  
Authorized User Name: Brinks Hofer Gilson & Lione

**9. Signature:**

/G. Peter Nichols/

Signature

G. Peter Nichols

Name of Person Signing

March 19, 2009

Date

Total no. of pages including coversheet,  
attachments and documents: 4

Documents to be recorded (including cover sheet) should be faxed to (571) 273-0140, or mailed to:  
Mail Stop Assignment Recordation Services, Director of the USPTO, PO Box 1450, Alexandria, VA 22313-1450

Case No. 10908/18 (P.21937)

ASSIGNMENT

WHEREAS, Elmar L. Muller, Petrus Basson, and Michael J. Nicol, hereinafter called the "Assignors", have made the invention described in the United States patent application entitled Chloride Heap Leaching, for a full description of which reference is here made to an application for Letters Patent of the United States filed on November 6, 2008 and assigned Application Serial No. 12/266,028;



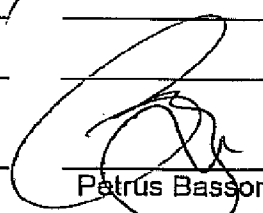
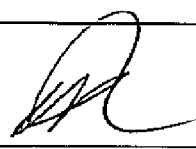
WHEREAS, BHP Billiton SA Limited, a corporation organized and existing under the laws of South Africa, having a place of business at 200 Malibongwe Drive, Randburg, 2194, Republic of South Africa, hereinafter called the "Assignee", desires to acquire the entire right, title and interest in and to the invention and the patent application identified above, and all patents which may be obtained for said invention, as set forth below;

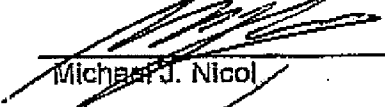

NOW, THEREFORE, in consideration of the sum of One Dollar (\$1.00), and other valuable and legally sufficient consideration, the receipt of which by the Assignors from the Assignee is hereby acknowledged, the Assignors have sold, assigned and transferred, and by these presents do sell, assign and transfer to the Assignee, the entire right, title and interest for the United States in and to the invention and the patent application identified above, and any patents that may issue for said invention in the United States; together with the entire right, title and interest in and to said invention and all patent applications and patents therefor in all countries foreign to the United States, including the full right to claim for any such application all benefits and priority rights under any applicable convention; together with the entire right, title and interest in and to all continuations, divisions, renewals and extensions of any of the patent applications and patents defined above; together with the right to recover all damages, including, but not limited to, a reasonable royalty, by reason of past, present, or future infringement or any other violation of patent or patent application rights; to have and to hold for the sole and exclusive use and benefit of the Assignee, its successors and assigns, to the full end of the term or terms for all such patents.

The Assignors hereby covenant and agree, for both the Assignors and the Assignors' legal representatives, that the Assignors will assist the Assignee in the prosecution of the patent application identified above; in the making and prosecution of any other patent applications that the Assignee may elect to make covering the invention identified above; in vesting in the Assignee like exclusive title in and to all such other patent applications and patents; and in the prosecution of any interference which may arise involving said invention, or any such patent application or patent; and that the Assignors will execute and deliver to the Assignee any and all additional papers which may be requested by the Assignee to carry out the terms of this Assignment.

The Commissioner of Patents and Trademarks is hereby authorized and requested to issue patents to the Assignee in accordance with the terms of this Assignment.

IN TESTIMONY WHEREOF, the Assignors have executed this agreement.

DATE:	<u>27/2/09</u>	
		Elmar L. Muller
WITNESSED:		
DATE:	<u>27/2/09</u>	
DATE:		
DATE:	<u>27/2/09</u>	
		Petrus Basson
WITNESSED:		
DATE:	<u>27/2/09</u>	
DATE:		

DATE: 20/2/09   
WITNESSED: Michael J. Nicol  
DATE: 23/2/09   
DATE: 23/2/09 