

# PATENT ASSIGNMENT

Electronic Version v1.1  
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<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 style="width: 30%;">Execution Date</th> </tr> </thead> <tbody> <tr> <td>John Lawrence Uhrie</td> <td>11/03/2009</td> </tr> <tr> <td>Gabe Bowman</td> <td>11/16/2009</td> </tr> <tr> <td>Christian Alejandro Caro Matus</td> <td>11/16/2009</td> </tr> <tr> <td>Percy Mayta</td> <td>11/16/2009</td> </tr> <tr> <td>Scott Hoenecke</td> <td>11/16/2009</td> </tr> <tr> <td>Manuel Chavez</td> <td>11/02/2009</td> </tr> </tbody> </table>		Name	Execution Date	John Lawrence Uhrie	11/03/2009	Gabe Bowman	11/16/2009	Christian Alejandro Caro Matus	11/16/2009	Percy Mayta	11/16/2009	Scott Hoenecke	11/16/2009	Manuel Chavez	11/02/2009
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<b>CORRESPONDENCE DATA</b>															
<p>Fax Number: (602)382-6070  <i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i></p> <p>Phone: 6023826000        Email: jeslick@swlaw.com        Correspondent Name: SNELL &amp; WILMER L.L.P.        Address Line 1: ONE ARIZONA CENTER, 400 E VAN BUREN ST        Address Line 2: Julie Eslick        Address Line 4: Phoenix, ARIZONA 85004-2202</p>															
<b>ATTORNEY DOCKET NUMBER:</b>	97112.3700														

CH \$40.00 12545783

**501021783**

**PATENT  
 REEL: 023551 FRAME: 0317**

NAME OF SUBMITTER:

Julie A. Eslick

**Total Attachments: 7**

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## **ASSIGNMENT**

### ***PATENT APPLICATION***

**WHEREAS**, Inventor (hereinafter "ASSIGNOR"), a corporation organized and existing under and by virtue of the laws of the State of Arizona having its principal place of business at and a mailing address of One North Central Avenue, Phoenix, Arizona 85004, has certain rights in a patent application entitled "METHODS AND SYSTEMS FOR LEACHING A METAL-BEARING ORE FOR THE RECOVERY OF A METAL VALUE" that was filed on August 21, 2009, and assigned U.S. Serial No. 12/545,783.

**AND WHEREAS**, Freeport-McMoRan Corporation (hereinafter "ASSIGNEE"), a corporation organized and existing under and by virtue of the laws of the State of New York having its principal place of business at and a mailing address of Copper Square, One North Central Avenue, Phoenix, Arizona 85004, is desirous of acquiring any and all rights owned by ASSIGNOR in said patent application;

**AND WHEREAS**, a "patent application," as referred to herein, shall mean any provisional, non-provisional, continuation, continuation in part, divisional, reissue, reexamination, foreign, PCT or other patent application or like document;

**NOW, THEREFORE**, for good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, ASSIGNOR by these presents does sell, assign and transfer unto ASSIGNEE, its successors, assigns and legal representatives, the full and exclusive right to the invention, as described in the aforesaid application, including patent, copyright and any other intellectual property rights, any provisional, non-provisional, continuation, continuation in part, divisional, reissue, reexamination, foreign, PCT or other patent application or like document, or any other application which claims priority to said application, in the United States and all foreign countries, together with the right of priority under the International Convention for the Protection of Industrial Property, Inter-American Convention Relating to Patents, Designs and Industrial Models, and any other international agreements to which the United States adheres, and hereby authorizes and requests the Commissioner of Patents to issue said Letters Patent to ASSIGNEE, for the sole use and benefit of ASSIGNEE, its successors, assigns and legal representatives,

**AND HEREBY AGREES** to transfer to ASSIGNEE, its successors, assigns and legal representatives, without further remuneration, a like interest in and to any improvements and derivative works, and applications based thereon, growing out of or relating to the invention; and to provide all reasonable assistance and execute any papers, if accurate, desired by ASSIGNEE, its successors, assigns and legal representatives, to preserve, acquire and/or perfect ASSIGNEE's full protection and title in and to the invention and any improvements and to file any of the aforementioned applications.

**AGREEING FURTHERMORE**, upon the request of ASSIGNEE, and without further remuneration, to execute any and all papers desire by ASSIGNEE for the filing and granting of any patent applications based on the invention or Application, or improvements therein, and the perfecting of title thereto in ASSIGNEE.

**EXECUTED** as of the date(s) written below by ASSIGNOR:

First Joint Inventor: John Lawrence Uhrie

Signature: \_\_\_\_\_

Date: 3 Nov 09

Residence address: 12660 N. 56<sup>th</sup> Way, Scottsdale, Arizona 85254

STATE OF Arizona )  
 ) ss.  
COUNTY OF Maricopa )

On this 3<sup>rd</sup> day of November, 2009, before me, a notary public in and for said county, appeared **John Lawrence Uhrie**, who is known to me to be the same person whose name is subscribed to the foregoing instrument, and he acknowledges that he signed, sealed and delivered the said instrument as a free and voluntary act for the uses and purposes therein set forth.

Tonya D. Barnum  
Notary Public

My commission expires:

Nov 16, 2011



Second Joint Inventor: Gabe Bowman

Signature: \_\_\_\_\_

Date: \_\_\_\_\_

Residence address: 5952 E. Sanchez Road, Safford, AZ 85546

**AGREEING FURTHERMORE**, upon the request of ASSIGNEE, and without further remuneration, to execute any and all papers desire by ASSIGNEE for the filing and granting of any patent applications based on the invention or Application, or improvements therein, and the perfecting of title thereto in ASSIGNEE.

**EXECUTED** as of the date(s) written below by ASSIGNOR:

**First Joint Inventor:** John Lawrence Uhrie

Signature: \_\_\_\_\_ Date: \_\_\_\_\_

Residence address: 12660 N. 56<sup>th</sup> Way, Scottsdale, Arizona 85254

STATE OF \_\_\_\_\_ )  
 ) ss.  
COUNTY OF \_\_\_\_\_ )

On this \_\_\_\_\_ day of \_\_\_\_\_, 2009, before me, a notary public in and for said county, appeared **John Lawrence Uhrie**, who is known to me to be the same person whose name is subscribed to the foregoing instrument, and he acknowledges that he signed, sealed and delivered the said instrument as a free and voluntary act for the uses and purposes therein set forth.

**Notary Public**

My commission expires:

Second Joint Inventor: Gabe Bowman

Signature: *[Signature]* Date: 11/16/2009

Residence address: 5952 E. Sanchez Road, Safford, AZ 85546

STATE OF AZ )  
 ) SS.  
COUNTY OF Graham )



Notary Public - State of Arizona  
GRAHAM COUNTY  
AMELIA J. CARRASCO  
Expires October 30, 2011

On this 16TH day of November, 2009, before me, a notary public in and for said county, appeared **Gabe Bowman**, who is known to me to be the same person whose name is subscribed to the foregoing instrument, and he acknowledges that he signed, sealed and delivered the said instrument as a free and voluntary act for the uses and purposes therein set forth.

Amelia J. Carrasco  
Notary Public

My commission expires:

OCTOBER 30, 2011

Third/Joint Inventor: Cristian Alejandro Caro Matus

Signature: [Signature]

Date: 11/16/09

Residence address: 1473 S. Roadrunner Lane, Thatcher, AZ 85552

STATE OF AZ )  
 ) SS.  
COUNTY OF Graham )



Notary Public - State of Arizona  
GRAHAM COUNTY  
AMELIA J. CARRASCO  
Expires October 30, 2011

On this 16TH day of November, 2009, before me, a notary public in and for said county, appeared **Cristian Alejandro Caro Matus**, who is known to me to be the same person whose name is subscribed to the foregoing instrument, and he acknowledges that he signed, sealed and delivered the said instrument as a free and voluntary act for the uses and purposes therein set forth.

Amelia J. Carrasco  
Notary Public

My commission expires:

OCTOBER 30, 2011

Fourth Joint Inventor: Percy Mayta

Signature: \_\_\_\_\_

Date: 11/16/09

Residence address: 3170 Ochoa Lane, Thatcher, AZ 85552

STATE OF AZ. )

) ss.

COUNTY OF Graham )



Notary Public - State of Arizona

GRAHAM COUNTY

AMELIA J. CARRASCO

Expires October 30, 2011

On this 16TH day of NOVEMBER, 2009, before me, a notary public in and for said county, appeared **Percy Mayta**, who is known to me to be the same person whose name is subscribed to the foregoing instrument, and he acknowledges that he signed, sealed and delivered the said instrument as a free and voluntary act for the uses and purposes therein set forth.

Amelia J. Carrasco  
Notary Public

My commission expires:

October 30, 2011

Fifth Joint Inventor: Scott Hoenecke

Signature: \_\_\_\_\_

Date: 11-16-09

Residence address: 4202 W. 12<sup>th</sup> Street, Thatcher, AZ 85552

STATE OF AZ. )

) ss.

COUNTY OF Graham )



Notary Public - State of Arizona

GRAHAM COUNTY

AMELIA J. CARRASCO

Expires October 30, 2011

On this 16TH day of NOVEMBER, 2009, before me, a notary public in and for said county, appeared **Scott Hoenecke**, who is known to me to be the same person whose name is subscribed to the foregoing instrument, and he acknowledges that he signed, sealed and delivered the said instrument as a free and voluntary act for the uses and purposes therein set forth.

Amelia J. Carrasco  
Notary Public

My commission expires:

OCTOBER 30, 2011

Sixth/Joint Inventor: Manuel Chavez

Signature: \_\_\_\_\_ Date: \_\_\_\_\_

Residence address: La Serena # 1101 Edificio Tarragona Dpto. # 405 Calama II región Chile

STATE OF \_\_\_\_\_ )  
 ) ss.  
COUNTY OF \_\_\_\_\_ )

On this \_\_\_\_\_ day of \_\_\_\_\_, 2009, before me, a notary public in and for said county, appeared **Manuel Chavez**, who is known to me to be the same person whose name is subscribed to the foregoing instrument, and he acknowledges that he signed, sealed and delivered the said instrument as a free and voluntary act for the uses and purposes therein set forth.

\_\_\_\_\_  
Notary Public

My commission expires:

\_\_\_\_\_

**SNELL & WILMER L.L.P.**  
One Arizona Center  
400 East Van Buren  
Phoenix, Arizona 85004  
Phone: (602) 382-6314





Sixth/Joint Inventor: Manuel Chavez

Signature: \_\_\_\_\_

Date: 02 NOV 2009

Residence address: La Serena # 1101 Edificio Tarragona Dpto. # 405 Calama II región Chile

STATE OF \_\_\_\_\_ )  
 ) ss.  
COUNTY OF \_\_\_\_\_ )

On this \_\_\_\_\_ day of \_\_\_\_\_, 2009, before me, a notary public in and for said county, appeared **Manuel Chavez**, who is known to me to be the same person whose name is subscribed to the foregoing instrument, and he acknowledges that he signed, sealed and delivered the said instrument as a free and voluntary act for the uses and purposes therein set forth.

\_\_\_\_\_  
Notary Public

My commission expires: \_\_\_\_\_

Autorizo la firma de don MANUEL MARIA CHAVEZ CONTRERAS C.N.I.Nº14.699.697.  
3. Calama 02 de Noviembre de 2009.

**SNELL & WILMER L.L.P.**  
One Arizona Center  
400 East Van Buren  
Phoenix, Arizona 85004  
Phone: (602) 382-6314

