

08-02-2001

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PATENT



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07/25/01
09/912922
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Document ID#

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Conveyance Type

☒ Assignment

☐ Security Agreement

☐ License

☐ Change of Name

☐ Merger

☐ Other

U.S. Government

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☐ Departmental File

☐ Secret File

Conveying Party(ies)

☒ Mark if additional names of conveying parties attached

Name (line 1) Marsden, John O.

Execution Date
Month Day Year
07/24/01

Name (line 2)

Second Party

Name (line 1) Brewer, Robert E.

Execution Date
Month Day Year
07/24/01

Name (line 2)

Receiving Party

☐ Mark if additional names of receiving parties attached

Name (line 1) Phelps Dodge Corporation

Name (line 2)

Address (line 1) 2600 North Central Avenue

Address (line 2)

Address (line 3) Phoenix

City

Arizona/U.S.A.

State/Country

85004

Zip Code

☐ If document to be recorded is an assignment and the receiving party is not domiciled in the United States, an appointment of a domestic representative is attached. (Designation must be a separate document from Assignment.)

Domestic Representative Name and Address

Enter for the first Receiving Party only.

Name

Address (line 1)

Address (line 2)

Address (line 3)

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REEL: 012019 FRAME: 0193

Correspondent Name and Address

Area Code and Telephone Number

(602) 382-6334

Name Wendy S. Neal

Address (line 1) Snell & Wilmer L.L.P.

Address (line 2) One Arizona Center

Address (line 3) 400 East Van Buren

Address (line 4) Phoenix, Arizona 85004-2202

Pages

Enter the total number of pages of the attached conveyance document including any attachments.

4

Application Number(s) or Patent Number(s)

☐ Mark if additional numbers attached

Enter either the Patent Application Number or the Patent Number (DO NOT ENTER BOTH numbers for the same property).

Patent Application Number(s)

Patent Number(s)

If this document is being filed together with a new Patent Application, enter the date the patent application was signed by the first named executing inventor.

Month Day Year
07/24/01

Patent Cooperation Treaty (PCT)

Enter PCT application number only if a U.S. Application Number has not been assigned.

PCT PCT PCT
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Number of Properties

Enter the total number of properties involved.

1

Fee Amount

Fee Amount for Properties Listed (37 CFR 3.41): \$

40.00

Method of Payment:

Enclosed ☒

Deposit Account ☐

Deposit Account

(Enter for payment by deposit account or if additional fees can be charged to the account.)

Deposit Account Number:

19-2814

Authorization to charge additional fees:

Yes ☒

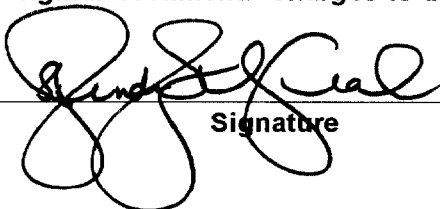
No ☐

Statement and Signature

To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document. Charges to deposit account are authorized, as indicated herein.

Wendy S. Neal

Name of Person Signing



Signature

July 25, 2001

Date

PATENT

REEL: 012019 FRAME: 0194

RECORDATION FORM COVER SHEET
CONTINUATION
PATENTS ONLY

U.S. Department of Commerce
Patent and Trademark Office
PATENT

Conveying Party(ies)



Mark if additional names of conveying parties attached

Enter additional Conveying Parties

Name (line 1) Robertson, Joanna M.

Execution Date
Month Day Year
07/24/2001

Name (line 2)

Name (line 1) Hazen, Wayne W.

Execution Date
Month Day Year
07/24/2001

Name (line 2)

Name (line 1) Thompson, Philip

Execution Date
Month Day Year
07/24/2001

Name (line 2)

Receiving Party



Mark if additional names of receiving parties attached

Name (line 1)

Name (line 2)

Address (line 1)

Address (line 2)

Address (line 3)

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Name (line 2)

Address (line 1)

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Application Number(s) or Patent Number(s)



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Patent Application Number(s)

Patent Number(s)

RECORDATION FORM COVER SHEET
CONTINUATION
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U.S. Department of Commerce
Patent and Trademark Office
PATENT

Conveying Party(ies)



Mark if additional names of conveying parties attached

Enter additional Conveying Parties

Name (line 1) Baughman, David R.

Execution Date
Month Day Year
07/24/2001

Name (line 2)

Execution Date
Month Day Year

Name (line 1)

Execution Date
Month Day Year

Name (line 2)

Name (line 1)

Name (line 2)

Receiving Party



Mark if additional names of receiving parties attached

Name (line 1)



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Assignment.)

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Address (line 1)

Address (line 2)

Address (line 3)

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Name (line 1)



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Zip Code

Application Number(s) or Patent Number(s)



Mark if additional numbers attached

Enter either the Patent Application Number or the Patent Number (DO NOT ENTER BOTH numbers for the same property).

Patent Application Number(s)

Patent Number(s)

ASSIGNMENT

UTILITY PATENT

WHEREAS, the undersigned inventor(s) (hereinafter singly and collectively, "ASSIGNOR") of the address(es) indicated below, have invented a **METHOD FOR RECOVERY OF METAL VALUES FROM METAL-CONTAINING MATERIALS USING HIGH TEMPERATURE PRESSURE LEACHING** for which application for Letters Patent of the United States has been executed herewith;

AND WHEREAS, PHELPS DODGE CORPORATION (hereinafter "ASSIGNEE"), 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 2600 North Central Avenue, Phoenix, Arizona 85004-3014, is desirous of acquiring an interest therein;

AND WHEREAS, a "formal 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;

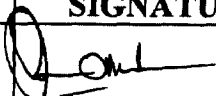
NOW, THEREFORE, for good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, ASSIGNOR by these presents do sell, assign and transfer unto ASSIGNEE, its successors, assigns and legal representatives, the full and exclusive right to the aforesaid applications, to the invention as described in the aforesaid applications, and to all formal applications which may be filed based in whole or in part on one or more of the aforesaid applications, 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 AGREE to transfer, upon request of ASSIGNEE, its successors, assigns and legal representatives, and without further remuneration, a like interest in and to any improvements and formal applications based thereon, growing out of or relating to the invention;

AGREEING, FURTHERMORE, without further remuneration, to provide all reasonable assistance and execute any papers requested by ASSIGNEE, its successors, assigns and legal representatives, to preserve and/or acquire ASSIGNEE's full protection and title in and to the invention hereby transferred and any improvements therein,

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

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

INVENTOR'S NAME	ADDRESS	SIGNATURE	DATE
John O. Marsden	1248 East Seminole Dr. Phoenix, Arizona 85022		07/24/01


STATE OF AZ)
County of Maricopa) ss.

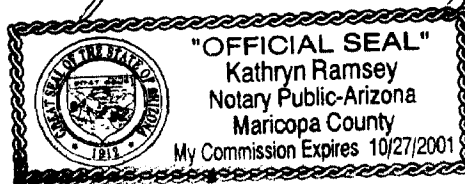
On this 24 day of July, 2001, before me, a notary public in and for said county, appeared John O. Marsden, who is personally known to me to be the same person whose name is subscribed to the foregoing instrument, and he acknowledged that he signed, sealed and delivered the said instrument as a free and voluntary act for the uses and purposes therein set forth.

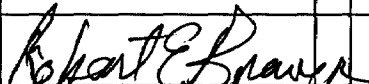
(Seal)

My commission expires:

10/27/01


Notary Public



INVENTOR'S NAME	ADDRESS	SIGNATURE	DATE
Robert E. Brewer	1498 W. Lebanon Road Safford, Arizona 85546		7/24/01

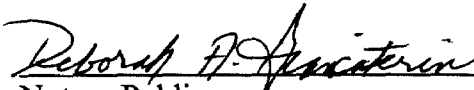
STATE OF AZ)
County of Maricopa) ss.

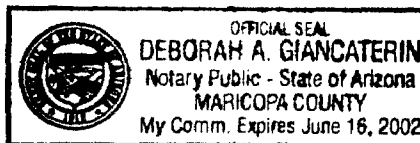
On this 24 day of July, 2001, before me, a notary public in and for said county, appeared Robert E. Brewer, who is personally known to me to be the same person whose name is subscribed to the foregoing instrument, and he acknowledged that he signed, sealed and delivered the said instrument as a free and voluntary act for the uses and purposes therein set forth.

(Seal)

My commission expires:

6-16-02


Notary Public



INVENTOR'S NAME	ADDRESS	SIGNATURE	DATE
Joanna M. Robertson	1452 S. Roadrunner Lane Thatcher, Arizona 85552	<i>Joanna M. Robertson</i>	24 July 01

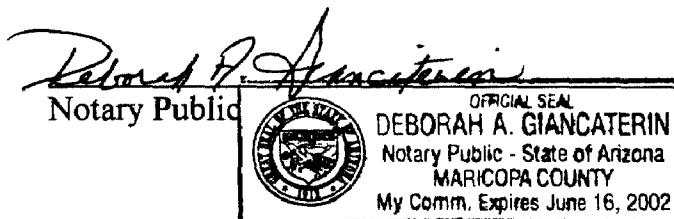
STATE OF AZ)
County of Maricopa) ss.

On this 24 day of July, 2001, before me, a notary public in and for said county, appeared Joanna M. Robertson, who is personally known to me to be the same person whose name is subscribed to the foregoing instrument, and she acknowledged that she signed, sealed and delivered the said instrument as a free and voluntary act for the uses and purposes therein set forth.

(Seal)

My commission expires:

6-16-02



INVENTOR'S NAME	ADDRESS	SIGNATURE	DATE
Wayne W. Hazen	2655 Van Gordon Drive Lakewood, Colorado 80215	<i>Wayne W. Hazen</i>	24 July 01

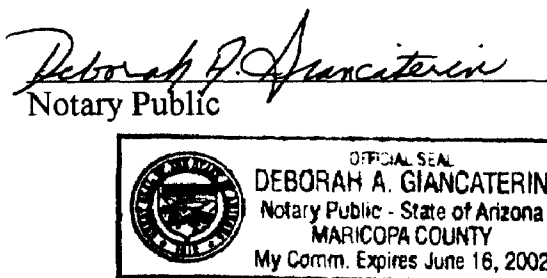
STATE OF AZ)
County of Maricopa) ss.

On this 24 day of July, 2001, before me, a notary public in and for said county, appeared Wayne W. Hazen, who is personally known to me to be the same person whose name is subscribed to the foregoing instrument, and he acknowledged that he signed, sealed and delivered the said instrument as a free and voluntary act for the uses and purposes therein set forth.

(Seal)

My commission expires:

6-16-02



INVENTOR'S NAME	ADDRESS	SIGNATURE	DATE
Philip Thompson	4513 White Cherry Way West Valley City, Utah 84120	<i>Philip Thompson</i>	7/24/01

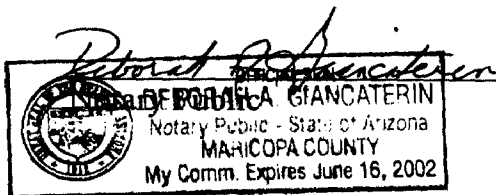
STATE OF AZ)
) ss.
County of Maricopa)

On this 24 day of July, 2001, before me, a notary public in and for said county, appeared Philip Thompson, who is personally known to me to be the same person whose name is subscribed to the foregoing instrument, and he acknowledged that he signed, sealed and delivered the said instrument as a free and voluntary act for the uses and purposes therein set forth.

(Seal)

My commission expires:

6-16-02



INVENTOR'S NAME	ADDRESS	SIGNATURE	DATE
David R. Baughman	15941 W. Third Place Golden, Colorado 80401	<i>David R. Baughman</i>	7/24/01

STATE OF AZ)
) ss.
County of Maricopa)

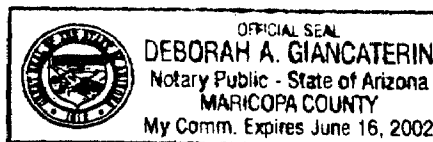
On this 24 day of July, 2001, before me, a notary public in and for said county, appeared David R. Baughman, who is personally known to me to be the same person whose name is subscribed to the foregoing instrument, and he acknowledged that he signed, sealed and delivered the said instrument as a free and voluntary act for the uses and purposes therein set forth.

(Seal)

My commission expires:

6-16-02

Deborah A. Giancaterin
Notary Public



SNELL & WILMER L.L.P.
One Arizona Center
400 East Van Buren
Phoenix, Arizona 85004-0001
(602) 382-6000