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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
John O Marsden	07/24/2001
Robert E Brewer	07/24/2001
Joanna M Robertson	07/24/2001
Wayne W Hazen	07/24/2001
Philip Thompson	07/24/2001
David R Baughman	07/24/2001

RECEIVING PARTY DATA

Name:	PHELPS DODGE CORPORATION
Street Address:	One North Central Avenue
City:	PHOENIX
State/Country:	ARIZONA
Postal Code:	85004-4464

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	10758755

CORRESPONDENCE DATA

500415654

Fax Number: (602)382-6070

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Email: dnigro@swlaw.com

Correspondent Name: Snell & Wilmer L.L.P.

Address Line 1: ONE ARIZONA CENTER, 400 E VAN BUREN

Address Line 2: David Nigro

Address Line 4: PHOENIX, ARIZONA 85004-2202

ATTORNEY DOCKET NUMBER: 97112.2617

PATENT

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NAME OF SUBMITTER:	David Nigro
Total Attachments: 4	
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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.

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

LIZE COLLEGE				$\overline{}$	
INVENTOR'S NAME	ADDRESS	_	SIGNATURE		DATE
John O. Marsden	1248 East Seminole Dr. Phoenix, Arizona 85022	1	John		07/24/01

STATE OF AZ) 55		
County of Maricon	a)		
said county, appeared Jowhose name is subscrib sealed and delivered the therein set forth. (Seal)	day of July, ohn O. Marsden, who is personed to the foregoing instrument as a free a Notary	nent, and he acknowledge and voluntary act for the upper land to the public services and the public services are to the public services and the public services are to the public services are the public services ar	ed that he signed,
My commission expires	· ·	Kath Notary Mari	ryn Ramsey Public-Arizona icopa County ion Expires 10/27/2001
INVENTOR'S	ADDRESS	SIGNATURE	DATE
NAME Robert E. Brewer	1498 W. Lebanon Road Safford, Arizona 85546	Robert Elnan	1 7/24/01
STATE OF Pr County of Marcing	_)) ss. _)		/ /
On this <u>A4</u> said county, appeared R	day of <u>July</u> Robert E. Brewer, who is per bed to the foregoing instrument as a free a	nent, and he acknowledge	ed that he signed,
(Seal)	<u>Lebo</u> Notary	ruh A. Aparaterin Public	
My commission expires	:		

DEBORAH A. GIANCATERIN
Notary Public - State of Arizona
MARICOPA COUNTY
My Comm. Expires June 16, 2002

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6-16-02

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Chatcher Arizona 85552			\bigcirc (\uparrow	ء ۸۰ ا
Hatcher, Arizona 63332		sumvill!	Rubukani	24/AUG/
) ss.	9			70 (
))		

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	wayne W. Hage	24 July 01

STATE OF <u>J2</u>) ss.
County of <u>Mariopa</u>)

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

ry Public

DEBORAH A. GIANCATERIN

Notary Public - State of Arizona MARICOPA COUNTY My Comm. Expires June 16, 2002

Notary Public - State of Arizona

My Comm. Expires June 16, 2002

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- 3 -

INVENTOR'S NAME	ADDRESS	SIGNATURE	DATE
Philip Thompson	4513 White Cherry Way West Valley City, Utah 84120	Philip Near	3h4/01
TATE OF 12) ss.)		
On this <u>24</u> on this aid county, appeared P	hilip Thompson, who is personed to the foregoing instrument as a free and	ally known to me to be the t, and he acknowledged th	same person at he signed,
Seal) My commission expires	Notary	AFICA CIANCATERIN Public - Statis of Arizona ARICOPA COUNTY m. Expires June 16, 2002	
6-16-02			
INVENTOR'S NAME David R. Baughman	ADDRESS 15941 W. Third Place	SIGNATURE	DATE
David K. Daugiillan	Golden, Colorado 80401	Jahan	7/24/01
STATE OF Ar	_)) ss.		
said county, appeared learned learned is		personally known to me to astrument, and he acknowled free and voluntary act for	o be the same edged that he
(Seal)	Notary Pu	A P Ofenceterin	
My commission expires 6-16-02	:	DEBORAH A. GIANCATERIN Notary Public - State of Arizona	
SNELL & WILMER L.L.I		MARICOPA COUNTY My Comm. Expires June 16, 200	1

One Arizona Center 400 East Van Buren Phoenix, Arizona 85004-0001 (602) 382-6000

RECORDED: 12/08/2007

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