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PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT4898816

IATURE OF CONVEYANCE: ASSIGNMENT CONVEYING PARTY DATA MARY AMELIA WALKER 02/22/2018 ROBERT CATRON 02/22/2018 RECEIVING PARTY DATA O2/22/2018 Street Address: G333 NORTH CENTRAL AVE City: PHOENIX State/Country: ARIZONA PROPERTY NUMBERS Total: 1 OPOPOPOPOPOPOPOPOPOPOPOPOPOPOPOPOPOPOP	ATURE OF CONVEYAN	NEW ASSIGNMENT		
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MARY AMELIA WALKER 02/22/2018 ROBERT CATRON 02/22/2018 RECEIVING PARTY DATA Name: FREEPORT MCMORAN INC. Street Address: 333 NORTH CENTRAL AVE City: PHOENIX State/Country: ARIZONA Postal Code: 85004 PROPERTY NUMBERS Total: 1 Property Type Number	CONVEYING PARTY DA	ΓΑ		
ROBERT CATRON 02/22/2018 RECEIVING PARTY DATA Name: FREEPORT MCMORAN INC. Street Address: 333 NORTH CENTRAL AVE City: PHOENIX State/Country: ARIZONA Postal Code: 85004 PROPERTY NUMBERS Total: 1 Property Type Number		Name	Execution Date	
RECEIVING PARTY DATA Name: FREEPORT MCMORAN INC. Street Address: 333 NORTH CENTRAL AVE City: PHOENIX State/Country: ARIZONA Postal Code: 85004 Number	ARY AMELIA WALKEF	02/22/2018		
Name:FREEPORT MCMORAN INC.Street Address:333 NORTH CENTRAL AVECity:PHOENIXState/Country:ARIZONAPostal Code:85004PROPERTY NUMBERS Total: 1Property TypeNumber	ROBERT CATRON	02/22/2018		
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Property Type Number	Postal Code:	85004		
	PROPERTY NUMBERS	otal: 1		
Application Number: 15618594	Property Type	Number		
	Application Number:	15618594		
CORRESPONDENCE DATAFax Number:(303)291-3201Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.Phone:3032913200Email:ip@fclaw.comCorrespondent Name:FENNEMORE CRAIG, P.C.Address Line 1:1700 LINCOLN ST.	Application Number:	15618594 TA (303)291-3201		

Address Line 4: DENVER, COLORADO 80203				
ATTORNEY DOCKET NUMBER:	FMI US-111 (028851.0390)			
NAME OF SUBMITTER:	BRUCE E. DAHL			
SIGNATURE:	/Bruce E. Dahl/			
DATE SIGNED:	04/04/2018			
Total Attachments: 2 source=Assignment_Walker_Catron_to_FMI#page1.tif source=Assignment_Walker_Catron_to_FMI#page2.tif				

ASSIGNMENT

This Assignment is made and executed by Mary Amelia Walker and Robert Catron (hereinafter "Assignors"), to and in favor of Freeport-McMoRan Inc., having a business address of 333 North Central Ave, Phoenix, AZ, 85004 U.S.A. (hereinafter "Assignee").

Whereas each of the Assignors desires to assign his/her entire right, title and interest in and to the invention described in Application No. 15/618,594, filed on June 6, 2017, and titled "SYSTEMS AND METHODS OF CORRELATING SATELLITE POSITION DATA WITH TERRESTRIAL FEATURES" (hereinafter the "Patent Application"), for valuable consideration; and whereas Assignee has provided such valuable consideration to the Assignors.

Accordingly, the Assignors warrant, covenant, and agree as follows:

1. Each of the Assignors hereby sells, assigns, and conveys to Assignee such Assignor's entire right, title, and interest in and to the invention described in the Patent Application, including (i) the Patent Application itself and any substitute patent application based in whole or in part on the Patent Application, (ii) all national and regional patent applications claiming the priority of the Patent Application or resulting from or based on the Patent Application, whether pursued as a patent, an inventor's certificate, a utility model or the like, including all rights of priority based on the Patent Application, and all substitute, continuation, continuation-in-part and divisional applications based in whole or in part on any such national or regional applications, and (iii) all patents, inventor's certificates, utility models and the like resulting from any of the such applications, and any reissues and extensions thereof.

2. Each of the Assignors hereby sells, assigns, and conveys to Assignee such Assignor's entire right, title, and interest in and to (i) all counterparts to all or any part of the Patent Application that are not included in Paragraph 1 above and that have been or may be filed in any country or under the Patent Cooperation Treaty or other international treaty, whether pursued as a patent, an inventor's certificate, a utility model or the like, including all rights of priority based on the Patent Applications based in whole or in part on any of the counterparts, and (iii) including all patents, inventor's certificates, utility models resulting from any of the counterparts, any reissues and extensions thereof.

3. Each of Assignors hereby grants to Assignee the sole and exclusive right to prosecute the Patent Application and all related applications as described in Paragraphs 1 and 2 above, as well as any opposition proceedings, reissue applications, reexaminations, and nullity or invalidity proceedings. Each of the Assignors authorizes all governmental bodies having the power to issue patents, inventor's certificates or utility models to issue a patent, inventor's certificate or utility model based on the Patent Application or any related applications as described in Paragraphs 1 and 2 above in the name of Assignee.

4. Each of the Assignors agrees upon request and without further consideration, but at Assignee's expense: (a) to assist Assignee in prosecuting the Patent Application and all related applications as described in Paragraphs 1 and 2 above, as well as opposition proceedings, reissue applications, reexaminations, and nullity or invalidity proceedings; (b) to provide Assignee with information concerning the Patent Application and the related applications described in Paragraphs 1 and 2 above to enable Assignee to obtain, secure and protect all of the rights, title and interest sold, assigned, conveyed and granted under this Assignment (the "Assigned Assets"); (c) to sign papers, take oaths and testify in legal proceedings to enable Assignee to obtain, secure and protect the Assigned Assets; and (d) to perform all acts reasonably necessary to enable Assignee to obtain, secure and protect the Assigned Assets,

including assistance in any proceedings pertaining to the Patent Application and the related applications described in Paragraphs 1 and 2 above or to their enforcement.

5. Each of the Assignors warrants and covenants that such Assignor has the full right to sell, assign and convey the Assigned Assets, and that to his/her knowledge all of the Assigned Assets are free and clear of all mortgages, liens, security interests, charges, claims, royalty obligations and encumbrances of any nature whatsoever and that the Assignor has not executed and will not execute any agreement in conflict with this Assignment.

Assignce may assign the Assigned Assets in whole or in part. All references herein to 6. Assignee include any successors or assigns of Assignee.

7. Each of the Assignors hereby authorizes any member of the firm of Fennemore Craig, P.C. to insert or complete any information, including but not limited to the patent application serial number, needed to effect this document's recordation with any appropriate governmental or other body, organization or office that provides for the recordation of assignments of assets such as those included in the Assigned Assets.

Date

State of) <u>ss</u>. County of MANCADO

ula LAM Amelia

On this 22 day of felore we personally appeared, Mary Amelia Walker, known to me to be the person whose name is subscribed to the within instrument, and acknowledged to me that she executed the foregoing mained.



02-23-2018	
Date	
State of Arizona)
County of Maricesa) s:

On this 22 day of <u>Februicary</u>, 2018, before me personally appeared, Robert Catron, known to me to be the person whose name is subscribed to the within instrument, and acknowledged to me that he executed the foregoing instrument for the purposes therein contained.



Page 2 of 2

PATENT REEL: 045433 FRAME: 0534

RECORDED: 04/04/2018

Robert Catron