

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
Stylesheet Version v1.2

EPAS ID: PAT4346015

SUBMISSION TYPE:	CORRECTIVE ASSIGNMENT
NATURE OF CONVEYANCE:	Corrective Assignment to correct the DELETE INVENTORS LIU, ZOU, GUO, YAN, KONG AND CORRECT THE FIRST NAME OF INVENTOR HONG TO - YIDU. previously recorded on Reel 040938 Frame 0105. Assignor(s) hereby confirms the DELETE INVENTORS LIU, ZOU, GUO, YAN, KONG AND CORRECT THE FIRST NAME OF INVENTOR HONG TO - YIDU.
RESUBMIT DOCUMENT ID:	504228964

CONVEYING PARTY DATA

Name	Execution Date
BAIQUAN LIN	12/30/2016
YIDU HONG	12/30/2016
CHUANJIE ZHU	12/30/2016
HAO YAO	12/30/2016

RECEIVING PARTY DATA

Name:	CHINA UNIVERSITY OF MINING AND TECHNOLOGY
Street Address:	NO. 1 UNIVERSITY ROAD
City:	XUZHOU, JIANGSU
State/Country:	CHINA
Postal Code:	221008

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	15323272

CORRESPONDENCE DATA

Fax Number: (801)531-9168
Correspondence 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: 801-532-1922
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Correspondent Name: ALLEN C. TURNER
Address Line 1: P.O. BOX 2550
Address Line 4: SALT LAKE CITY, UTAH 84110

ATTORNEY DOCKET NUMBER:	3278-P13442US
NAME OF SUBMITTER:	ALLEN C. TURNER
SIGNATURE:	/Allen C. Turner/

DATE SIGNED:	03/30/2017
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Total Attachments: 5

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PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
Stylesheet Version v1.2

EPAS ID: PAT4218854

SUBMISSION TYPE:	NEW ASSIGNMENT	
NATURE OF CONVEYANCE:	ASSIGNMENT	
CONVEYING PARTY DATA		
	Name	Execution Date
	BAIQUAN LIN	12/30/2016
	TING LIU	12/30/2016
	QUANLE ZOU	12/30/2016
	CHANG GUO	12/30/2016
	CHUANJIE ZHU	12/30/2016
	HAO YAO	12/30/2016
	FAZHI YAN	12/30/2016
	JIA KONG	12/30/2016
	YIDOU HONG	12/30/2016
RECEIVING PARTY DATA		
Name:	CHINA UNIVERSITY OF MINING AND TECHNOLOGY	
Street Address:	NO. 1 UNIVERSITY ROAD	
City:	XUZHOU, JIANGSU	
State/Country:	CHINA	
Postal Code:	221008	
PROPERTY NUMBERS Total: 1		
	Property Type	Number
	Application Number:	15323272
CORRESPONDENCE DATA		
Fax Number:	(801)531-9168	
	<i>Correspondence 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.</i>	
Phone:	801-532-1922	
Email:	nccalliham@TraskBritt.com	
Correspondent Name:	ALLEN C. TURNER	
Address Line 1:	P.O. BOX 2550	
Address Line 4:	SALT LAKE CITY, UTAH 84110	
ATTORNEY DOCKET NUMBER:	3278-P13442US	
NAME OF SUBMITTER:	ALLEN C. TURNER	

ASSIGNMENT

FOR GOOD AND VALUABLE CONSIDERATION, the receipt, sufficiency and adequacy of which are hereby acknowledged, each undersigned ASSIGNOR does hereby:

SELL, ASSIGN AND TRANSFER to **CHINA UNIVERSITY OF MINING AND TECHNOLOGY** ("ASSIGNEE"), an entity of CHINA, having a place of business at No. 1 University Road, Xuzhou, Jiangsu 221008 CHINA, the entire right, title and interest for the United States and all foreign countries in and to any and all improvements that are disclosed in the **Application for United States Letters Patent** that has been executed by each undersigned ASSIGNOR concurrently herewith (or ASSIGNOR does hereby authorize and request attorneys, TraskBritt, PC, of P.O. Box 2550, Salt Lake City, Utah 84110, to insert here in parenthesis (Application No. 15323272, filed 12/30/2016) the filing date and application number of said application when known), and titled **METHOD FOR THERMAL-DISPLACEMENT-TYPE STRENGTHENED EXTRACTION IN DRILL HOLE**, such application and all divisional, continuing, substitute, renewal, reissue and all other applications for patent or the legal equivalent thereof that have been or may be filed in the United States and all foreign countries relating to any of such improvements; all original, reexamined and reissued patents that have been or shall be issued in the United States and all foreign countries on such improvements; and specifically including the right to file foreign applications under the provisions of any convention or treaty and claim priority based on such application made in the United States;

AUTHORIZE the ASSIGNEE to apply for and receive any and all United States and foreign patents relating to such improvements in its own name;

AUTHORIZE AND REQUEST the issuing authority to issue any and all United States and foreign patents granted on such improvements to and in the name of the ASSIGNEE;

WARRANT AND COVENANT that no assignment, grant, mortgage, license or other agreement or encumbrance affecting the rights and property herein conveyed has been or will be made or entered into by the undersigned, and that the full right to convey the same as herein expressed is possessed by the undersigned;

COVENANT, when requested and at the expense of the ASSIGNEE, to carry out in good faith the intent and purpose of this Assignment, to execute all divisional, continuing, substitute, renewal, reissue, and all other patent applications relating to any and all such improvements; to execute all rightful oaths, declarations, assignments, powers of attorney and other papers; to communicate to the ASSIGNEE all facts and provide to the ASSIGNEE all documents and things known and accessible to the undersigned relating to such improvements and the history thereof, and testify as to the same in any interference, litigation or other proceeding relating thereto; and

generally to do everything possible that the ASSIGNEE shall consider desirable for vesting title to such improvements in the ASSIGNEE, and to secure, maintain, defend and enforce valid and enforceable patent protection for such improvements;

AGREE AND ACKNOWLEDGE that the SALE, ASSIGNMENT AND TRANSFER of rights and property set forth herein is and shall be IRREVOCABLE and BINDING upon the heirs, assigns, representatives and successors of each undersigned ASSIGNOR and EXTEND to the successors, assigns and nominees of the ASSIGNEE.

ASSIGNOR(S):

Baiquan Lin

Baiquan Lin
Witness for Baiquan Lin

Date: Dec 30, 2016

Signature Wei Li
Printed Name Wei Li

Date: Dec 30, 2016

Yidou Hong

Yidou Hong
Witness for Yidou Hong:

Date: Dec 30, 2016

Signature Wei Li
Printed Name Wei Li

Date: Dec 30, 2016

Chuanjie Zhu
Chuanjie Zhu

Witness for Chuanjie Zhu:

Date: Dec 30, 2016

Signature Wei Li
Printed Name Wei Li

Date: Dec 30, 2016

Hao Yao
Hao Yao

Witness for Hao Yao:

Date: Dec 30, 2016

Signature Wei Li
Printed Name Wei Li

Date: Dec 30, 2016