

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT		
NATURE OF CONVEYANCE:	ASSIGNMENT		
CONVEYING PARTY DATA			
	Name	Execution Date	
	NONG ZHANG	02/01/2018	
	CHANGLIANG HAN	02/01/2018	
	KE YANG	02/01/2018	
	ZHENGZHENG XIE	02/01/2018	
RECEIVING PARTY DATA			
Name:	CHINA UNIVERSITY OF MINING AND TECHNOLOGY		
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PROPERTY NUMBERS Total: 1			
	Property Type	Number	
	Application Number:	15751411	
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NAME OF SUBMITTER:	ALANA M. FUIERER		
SIGNATURE:	/amf/		
DATE SIGNED:	02/09/2018		
Total Attachments: 4			
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ASSIGNMENT

WHEREAS, We,

- (1) **Nong ZHANG**, a citizen of the China, Science Academy of China University of Mining and Technology, No. 1 University Road, Tongshan District, Xuzhou, Jiangsu 221116, China, and;
- (2) **Changliang HAN**, a citizen of the China, Science Academy of China University of Mining and Technology, No. 1 University Road, Tongshan District, Xuzhou, Jiangsu 221116, China, and;
- (3) **Ke YANG**, a citizen of the China, Science Academy of China University of Mining and Technology, No. 1 University Road, Tongshan District, Xuzhou, Jiangsu 221116, China, and;
- (4) **Zhengzheng XIE**, a citizen of the China, Science Academy of China University of Mining and Technology, No. 1 University Road, Tongshan District, Xuzhou, Jiangsu 221116, China (collectively, "**INVENTORS**") have invented certain new and useful improvements in

ANCHORING METHOD UTILIZING SELF-DRILLING AND SELF-ANCHORING EXTENDABLE ANCHOR ROD APPLICABLE TO SOFT AND WEAK COAL ROCKS

which is the subject of US Application Serial Number 15/751,411, filed 02/08 2018, a U.S. National Phase filing under 35 U.S.C. § 371 of International Application PCT/CN2017/087494, filed June 7, 2017, which claims priority from Chinese application number 201611061728.0, filed November 25, 2016.

WHEREAS, **CHINA UNIVERSITY OF MINING AND TECHNOLOGY**, having offices at Science Academy of China University of Mining and Technology, No. 1 University Road, Tongshan District, Xuzhou, Jiangsu 221116, China is entitled to acquire the entire right, title and interest in and to the said improvements and the said Application;

NOW, THEREFORE, in exchange for good and valuable consideration, the receipt of which We hereby acknowledge, We, the **INVENTORS** do hereby assign, transfer and set over

to said **CHINA UNIVERSITY OF MINING AND TECHNOLOGY**, its successors, legal representatives and assigns, the entire right, title and interest in, to and under the said improvements, and the said applications, including the right to claim priority to said applications, and all divisions, continuations and continuations-in-part thereof, and all Letters Patent which may be granted thereon and all reexaminations, reissues, renewals and extensions thereof, and all applications for Letters Patent which may hereafter be filed for said improvements in any country or countries foreign to the United States, and all Letters Patent which may be granted for said improvements in any country or countries foreign to the United States and all reexaminations, reissues, renewals and extensions thereof; and We hereby authorize and request the Commissioner of Patents of the United States, and any Official of any country or countries foreign to the United States, whose duty it is to issue patents on applications as aforesaid, to issue all Letters Patent for said improvements to the said **CHINA UNIVERSITY OF MINING AND TECHNOLOGY**, its successors, legal representatives and assigns, in accordance with the terms of this instrument.

AND WE HEREBY covenant that We have full right to convey the entire interest herein assigned, and that We have not executed, and will not execute, any agreement in conflict herewith;

AND WE HEREBY further covenant and agree that We and our heirs, representatives and successors, if any, will communicate to the said **CHINA UNIVERSITY OF MINING AND TECHNOLOGY**, its successors, legal representatives and assigns, any facts known to us respecting said improvements, and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuing and reissue applications, make all rightful oaths and generally do everything possible to aid the said **CHINA UNIVERSITY OF MINING AND TECHNOLOGY**, its successors, legal representatives and assigns, to obtain and enforce proper patent protection for said improvements in all countries.

AND WE HEREBY grant Heslin Rothenberg Farley & Mesiti P.C. the power to insert on this assignment any further indication which may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office for recordation of this document, including the filing date and application number of said application when known.

This Assignment may be signed in counterparts.

Agreed to as Assignor:

IN TESTIMONY WHEREOF, I hereunto set my hand and seal this 1st day of
February, 2018.

Nong ZHANG
Nong ZHANG

Peng WANG Dated: Feb 1, 2018
Witness

Ting LIU Dated: Feb 1, 2018
Witness

IN TESTIMONY WHEREOF, I hereunto set my hand and seal this 1st day of
Feb, 2018.

Changliang HAN
Changliang HAN

Peng WANG Dated: Feb 1, 2018
Witness

Ting LIU Dated: Feb 1, 2018
Witness

IN TESTIMONY WHEREOF, I hereunto set my hand and seal this 1st day of
Feb, 2018.

Ke YANG

Ke YANG

Peng WANG

Dated: Feb 1, 20 18

Witness

Ting LIU

Dated: Feb 1, 20 18

Witness

IN TESTIMONY WHEREOF, I hereunto set my hand and seal this 1st day of Feb, 20 18.

Zhengzheng XIE

Zhengzheng XIE

Peng WANG

Dated: Feb 1, 20 18

Witness

Ting LIU

Dated: Feb 1, 20 18

Witness