

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
Stylesheet Version v1.2

EPAS ID: PAT4226867

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
BAIQUAN LIN	01/09/2017
FAZHI YAN	01/09/2017
CHUANJIE ZHU	01/09/2017
CHANG GUO	01/09/2017
QUANLE ZOU	01/09/2017
TING LIU	01/09/2017
YIDU HONG	01/09/2017
HAO YAO	01/09/2017
RECEIVING PARTY DATA	
Name:	CHINA UNIVERSITY OF MINING AND TECHNOLOGY
Street Address:	NO. 1 UNIVERSITY ROAD XUZHOU
Internal Address:	SCIENCE ACADEMY OF CHINA UNIVERSITY OF MINING AND TECHNOLOGY
City:	JIANGSU
State/Country:	CHINA
Postal Code:	221116
PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	15325662
CORRESPONDENCE DATA	
Fax Number:	
<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>	
Email:	drs@slepatents.com
Correspondent Name:	DAVID R. SALIWANCHIK
Address Line 1:	P.O. BOX 142950
Address Line 4:	GAINESVILLE, FLORIDA 32614
ATTORNEY DOCKET NUMBER:	JW.116
NAME OF SUBMITTER:	DAVID R. SALIWANCHIK

SIGNATURE:	/David R. Saliwanchik/
DATE SIGNED:	01/16/2017
Total Attachments: 9 source=exAssign#page1.tif source=exAssign#page2.tif source=exAssign#page3.tif source=exAssign#page4.tif source=exAssign#page5.tif source=exAssign#page6.tif source=exAssign#page7.tif source=exAssign#page8.tif source=exAssign#page9.tif	

ASSIGNMENT

WHEREAS, We, the undersigned, residing at the indicated addresses given below, respectively, have invented certain new and useful improvements in **Downhole Coal Seam Pulse Detonation Wave Directional Fracturing Permeability-Increasing Method**, for which an application for United States Letters Patent was

is attached herewith

filed January 11, 2017, as Serial No. 15/325,662.

WHEREAS, **China University of Mining and Technology**, having a place of business at Science Academy of China University of Mining and Technology, No. 1 University Road Xuzhou, Jiangsu 221116, China, is desirous of acquiring the entire right, title, and interest in and to said invention and in and to any Letters Patent which may be granted therefor in the United States and in any and all foreign countries;

NOW, THEREFORE, in view of valuable consideration, receipt of which is hereby acknowledged, we, the undersigned, have sold, assigned, and transferred, and by these presents do sell, assign, and transfer, unto said **China University of Mining and Technology**, its successors and assigns, the full and exclusive right to the said invention in the United States and its territorial possessions and in all foreign countries and the entire right, title, and interest in and to any and all Letters Patent which may be granted therefor in the United States and its territorial possessions and in any and all foreign countries and in and to any and all divisions, reissues, continuations, and extensions thereof.

We hereby authorize and request the Patent Office Officials in the United States and in any and all foreign countries to issue any and all of said Letters Patent, when granted, to **China University of Mining and Technology**, as the assignee of the entire right, title, and interest in and to the same, for the sole use and behoof of said **China University of Mining and Technology**, its successors and assigns.

FURTHER, We agree that we will communicate to said **China University of Mining and Technology**, or its representatives, any facts known to us respecting said invention; testify in any legal proceedings; sign all lawful papers; execute all divisional, continuation, substitution, renewal, and reissue applications; execute all necessary assignment papers to cause any and all of said Letters Patent to be issued to said **China University of Mining and Technology**; make all rightful oaths; and generally do everything possible to aid the said **China University of Mining and Technology**, its successors and assigns, to obtain and enforce proper protection for said invention in the United States and in any and all foreign countries.

IN TESTIMONY WHEREOF, I have hereunto set my hand this 9th day of Jan, 2017.

Signed Baiquan Lin

Baiquan Lin
Address: **c/o China University of Mining and Technology
Science Academy of China University of Mining
and Technology
No. 1 University Road Xuzhou
Jiangsu 221116
CHINA**

STATEMENT BY WITNESS

I, Wei Li, whose full post office
(name of witness)
address is Science Academy of China University of Mining and Technology No. 1 University Road
Xuzhou, Jiangsu 221116, China
(address of witness)

hereby declare that I was personally present and did see the above-named person, personally known to me to be the person named in the assignment, duly sign and execute the same.

Date: Jan 9, 2017

Wei Li
(signature of witness)

IN TESTIMONY WHEREOF, I have hereunto set my hand this 9th day of Jan, 2017.

Signed Fazhi Yan

Address: **Fazhi Yan**
c/o China University of Mining and Technology
Science Academy of China University of Mining
and Technology
No. 1 University Road Xuzhou
Jiangsu 221116
CHINA

STATEMENT BY WITNESS

I, Wei Li, whose full post office
(name of witness)
address is Science Academy of China University of Mining and Technology No. 1 University Road
Xuzhou, Jiangsu 221116, China
(address of witness)

hereby declare that I was personally present and did see the above-named person, personally known to me to be the person named in the assignment, duly sign and execute the same.

Date: Jan 9, 2017

Wei Li
(signature of witness)

IN TESTIMONY WHEREOF, I have hereunto set my hand this 9th day of Jan, 2017.

Signed Chuanjie Zhu

Address: **Chuanjie Zhu**
c/o China University of Mining and Technology
Science Academy of China University of Mining
and Technology
No. 1 University Road Xuzhou
Jiangsu 221116
CHINA

STATEMENT BY WITNESS

I, Wei Li, whose full post office
(name of witness)
address is Science Academy of China University of Mining and Technology No. 1 University Road
Xuzhou, Jiangsu 221116, China
(address of witness)

hereby declare that I was personally present and did see the above-named person, personally known to me to be the person named in the assignment, duly sign and execute the same.

Date: Jan 9, 2017

Wei Li
(signature of witness)

IN TESTIMONY WHEREOF, I have hereunto set my hand this 9 day of Jan, 2017.

Signed Chang Guo
Address: **Chang Guo**
c/o China University of Mining and Technology
Science Academy of China University of Mining
and Technology
No. 1 University Road Xuzhou
Jiangsu 221116
CHINA

STATEMENT BY WITNESS

I, Wei Li, whose full post office
(name of witness)
address is Science Academy of China University of Mining and Technology No. 1 University Road
Xuzhou, Jiangsu 221116, China
(address of witness)

hereby declare that I was personally present and did see the above-named person, personally known to me to be the person named in the assignment, duly sign and execute the same.

Date: Jan 9, 2017

Wei Li
(signature of witness)

IN TESTIMONY WHEREOF, I have hereunto set my hand this 9th day of Jan, 2017.

Signed Quanle Zou

Address: **Quanle Zou**
c/o China University of Mining and Technology
Science Academy of China University of Mining
and Technology
No. 1 University Road Xuzhou
Jiangsu 221116
CHINA

STATEMENT BY WITNESS

I, Wei Li, whose full post office
(name of witness)
address is Science Academy of China University of Mining and Technology No. 1 University Road
Xuzhou, Jiangsu 221116, China
(address of witness)

hereby declare that I was personally present and did see the above-named person, personally known to me to be the person named in the assignment, duly sign and execute the same.

Date: Jan 9, 2017

Wei Li
(signature of witness)

IN TESTIMONY WHEREOF, I have hereunto set my hand this 9th day of Jan, 2017.

Signed Ting Liu

Address: **Ting Liu**
c/o China University of Mining and Technology
Science Academy of China University of Mining
and Technology
No. 1 University Road Xuzhou
Jiangsu 221116
CHINA

STATEMENT BY WITNESS

I, Wei Li, whose full post office
(name of witness)
address is Science Academy of China University of Mining and Technology No. 1 University
Road Xuzhou, Jiangsu 221116, China
(address of witness)

hereby declare that I was personally present and did see the above-named person, personally known to me to be the person named in the assignment, duly sign and execute the same.

Date: Jan 9, 2017

Wei Li
(signature of witness)

IN TESTIMONY WHEREOF, I have hereunto set my hand this 9th day of Jan, 2017.

Signed Yidu Hong

Address: **Yidu Hong**
c/o China University of Mining and Technology
Science Academy of China University of Mining
and Technology
No. 1 University Road Xuzhou
Jiangsu 221116
CHINA

STATEMENT BY WITNESS

I, Wei Li, whose full post office
(name of witness)
address is Science Academy of China University of Mining and Technology No. 1 University Road
Xuzhou, Jiangsu 221116, China
(address of witness)

hereby declare that I was personally present and did see the above-named person, personally known to me to be the person named in the assignment, duly sign and execute the same.

Date: Jan 9, 2017

Wei Li
(signature of witness)

IN TESTIMONY WHEREOF, I have hereunto set my hand this 9th day of Jan, 2017.

Signed Hao Yao

Address: **Hao Yao**
c/o China University of Mining and Technology
Science Academy of China University of Mining
and Technology
No. 1 University Road Xuzhou
Jiangsu 221116
CHINA

STATEMENT BY WITNESS

I, Wei Li, whose full post office
(name of witness)
address is Science Academy of China University of Mining and Technology No. 1 University Road
Xuzhou, Jiangsu 221116, China
(address of witness)

hereby declare that I was personally present and did see the above-named person, personally known to me to be the person named in the assignment, duly sign and execute the same.

Date: Jan 9, 2017

Wei Li
(signature of witness)