

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	RESUBMISSION
NATURE OF CONVEYANCE:	ASSIGNMENT
RESUBMIT DOCUMENT ID:	508016439
CONVEYING PARTY DATA	
Name	Execution Date
NING LUO	07/14/2023
YABO CHAI	07/14/2023
HANLIANG LIANG	07/14/2023
HAOHAO ZHANG	07/14/2023
CHENG ZHAI	07/14/2023
JIANAN ZHOU	07/14/2023
PENGLONG LI	07/14/2023
RECEIVING PARTY DATA	
Name:	CHINA UNIVERSITY OF MINING AND TECHNOLOGY
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State/Country:	CHINA
PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	18354221
CORRESPONDENCE DATA	
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<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>	
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Address Line 4:	ALEXANDRIA, VIRGINIA 22314
ATTORNEY DOCKET NUMBER:	347-015-PPH
NAME OF SUBMITTER:	SEAN A. PASSINO
SIGNATURE:	/Sean Allen Passino, reg. no. 45943/

DATE SIGNED:	09/11/2023
Total Attachments: 2 source=10_Assignment_ReRecord#page1.tif source=10_Assignment_ReRecord#page2.tif	

ASSIGNMENT

WHEREAS I/We, the below named inventor(s), (hereinafter referred to as Assignor(s)), have made an invention entitled:

LIQUID EXPLOSIVE FOR IN-SITU EXPLOSIVE FRACTURING IN LOW-PERMEABILITY OILFIELDS AND APPLICATION THEREOF

for which I/WE executed an application for United States Letters Patent concurrently herewith or filed an application for United States Letters Patent on _____, (Application No. _____); and

WHEREAS, China University of Mining and Technology

Nanhu Campus, China University of Mining and Technology, No.1 University Road, Quanshan District, Xuzhou, Jiangsu, China

(hereinafter referred to as Assignee), is desirous of securing the entire right, title, and interest in and to this invention, the application for United States Letters Patent on this invention and the Letters Patent to be issued upon this application;

NOW THEREFORE, be it known that, for good and valuable consideration the receipt of which from Assignee is hereby acknowledged, I/WE, as Assignor(s), have sold, assigned, transferred, and set over, and do hereby sell, assign, transfer, and set over unto the Assignee, its lawful successors and assigns, my/our entire right, title, and interest in and to this invention and this application, and all divisions, and continuations thereof, and all Letters Patent of the United States which may be granted thereon, and all reissues thereof; and I/WE hereby authorize and request the Director of Patents and Trademarks of the United States to issue all Letters Patent for this invention to Assignee, its successors and assigns, in accordance with the terms of this Assignment;

AND, I/WE HEREBY further covenant and agree that I/We will, without further consideration, communicate with Assignee, its successors and assigns, any facts known to me/us respecting this invention and testify in any legal proceeding, sign all lawful papers when called upon to do so, execute and deliver all papers that may be necessary or desirable to perfect the title to this invention in said Assignee, its successors and assigns, execute all divisional, continuation, and reissue applications, make all rightful oaths and generally do everything possible to aid Assignee, its successors and assigns, to obtain and enforce proper patent protection for this invention in the United States, it being understood that any expense incident to the execution of such papers shall be borne by the Assignee, its successors and assigns.

AND, I/WE HEREBY authorize and request my/our attorney at Pilloff Passino & Cosenza LLP, 2000 Duke St., Suite 300, Alexandria, VA 22314 to insert here in parentheses (Application No. 18/354,221, filed July 18, 2023) the filing date and application number of said application when known.

IN TESTIMONY WHEREOF, I/We have hereunto set our hand(s).

1. FULL NAME OF SOLE OR FIRST ASSIGNOR Ning LUO	ASSIGNOR'S SIGNATURE <i>Ning LUO</i>	DATE (required) <i>July 14, 2023</i>
ADDRESS Nanhu Campus, China University of Mining and Technology, No.1 University Road, Quanshan District, Xuzhou, Jiangsu, China		CITIZENSHIP
2. FULL NAME OF SECOND ASSIGNOR, IF ANY Yabo CHAI	ASSIGNOR'S SIGNATURE <i>Yabo CHAI</i>	DATE (required) <i>July 14, 2023</i>
ADDRESS Nanhu Campus, China University of Mining and Technology, No.1 University Road, Quanshan District, Xuzhou, Jiangsu, China		CITIZENSHIP
3. FULL NAME OF THIRD ASSIGNOR, IF ANY Hanliang LIANG	ASSIGNOR'S SIGNATURE <i>Hanliang LIANG</i>	DATE (required) <i>July 14, 2023</i>
ADDRESS Nanhu Campus, China University of Mining and Technology, No.1 University Road, Quanshan District, Xuzhou, Jiangsu, China		CITIZENSHIP
4. FULL NAME OF FOURTH ASSIGNOR, IF ANY Haohao ZHANG	ASSIGNOR'S SIGNATURE <i>Haohao ZHANG</i>	DATE (required) <i>July 14, 2023</i>
ADDRESS Nanhu Campus, China University of Mining and Technology, No.1 University Road, Quanshan District, Xuzhou, Jiangsu, China		CITIZENSHIP

ASSIGNMENT

WHEREAS I/We, the below named inventor(s), (hereinafter referred to as Assignor(s)), have made an invention entitled:

LIQUID EXPLOSIVE FOR IN-SITU EXPLOSIVE FRACTURING IN LOW-PERMEABILITY OILFIELDS AND APPLICATION THEREOF

for which I/WE executed an application for United States Letters Patent concurrently herewith or filed an application for United States Letters Patent on _____, (Application No. _____); and

WHEREAS, China University of Mining and Technology

Nanhu Campus, China University of Mining and Technology, No.1 University Road, Quanshan District, Xuzhou, Jiangsu, China

(hereinafter referred to as Assignee), is desirous of securing the entire right, title, and interest in and to this invention, the application for United States Letters Patent on this invention and the Letters Patent to be issued upon this application;

NOW THEREFORE, be it known that, for good and valuable consideration the receipt of which from Assignee is hereby acknowledged, I/WE, as Assignor(s), have sold, assigned, transferred, and set over, and do hereby sell, assign, transfer, and set over unto the Assignee, its lawful successors and assigns, my/our entire right, title, and interest in and to this invention and this application, and all divisions, and continuations thereof, and all Letters Patent of the United States which may be granted thereon, and all reissues thereof; and I/WE hereby authorize and request the Director of Patents and Trademarks of the United States to issue all Letters Patent for this invention to Assignee, its successors and assigns, in accordance with the terms of this Assignment;

AND, I/WE HEREBY further covenant and agree that I/We will, without further consideration, communicate with Assignee, its successors and assigns, any facts known to me/us respecting this invention and testify in any legal proceeding, sign all lawful papers when called upon to do so, execute and deliver all papers that may be necessary or desirable to perfect the title to this invention in said Assignee, its successors and assigns, execute all divisional, continuation, and reissue applications, make all rightful oaths and generally do everything possible to aid Assignee, its successors and assigns, to obtain and enforce proper patent protection for this invention in the United States, it being understood that any expense incident to the execution of such papers shall be borne by the Assignee, its successors and assigns.

AND, I/WE HEREBY authorize and request my/our attorney at Pilloff Passino & Cosenza LLP, 2000 Duke St., Suite 300, Alexandria, VA 22314 to insert here in parentheses (Application No. 18/354,221, filed July 18, 2023) the filing date and application number of said application when known.

IN TESTIMONY WHEREOF, I/We have hereunto set our hand(s).

5. FULL NAME OF FIFTH ASSIGNOR, IF ANY Cheng ZHAI	ASSIGNOR'S SIGNATURE <i>Cheng ZHAI</i>	DATE (required) <i>July 14, 2023</i>
ADDRESS Nanhu Campus, China University of Mining and Technology, No.1 University Road, Quanshan District, Xuzhou, Jiangsu, China		CITIZENSHIP
6. FULL NAME OF SIXTH ASSIGNOR, IF ANY Jianan ZHOU	ASSIGNOR'S SIGNATURE <i>Jianan ZHOU</i>	DATE (required) <i>July 14, 2023</i>
ADDRESS Nanhu Campus, China University of Mining and Technology, No.1 University Road, Quanshan District, Xuzhou, Jiangsu, China		CITIZENSHIP
7. FULL NAME OF SEVENTH ASSIGNOR, IF ANY Penglong LI	ASSIGNOR'S SIGNATURE <i>Penglong LI</i>	DATE (required) <i>July 14, 2023</i>
ADDRESS Nanhu Campus, China University of Mining and Technology, No.1 University Road, Quanshan District, Xuzhou, Jiangsu, China		CITIZENSHIP
8. FULL NAME OF EIGHTH ASSIGNOR, IF ANY	ASSIGNOR'S SIGNATURE	DATE (required)
ADDRESS		CITIZENSHIP