

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
Stylesheet Version v1.2

Assignment ID: PATI427309

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
Guorui FENG	02/29/2024
Wei GUO	02/29/2024
Tingye QI	02/29/2024
Zhu LI	02/29/2024
Jiaqing CUI	02/29/2024
Yekai CUI	02/29/2024
Jingkai MA	02/29/2024
RECEIVING PARTY DATA	
Company Name:	Taiyuan University of Technology
Street Address:	No. 79, Yingze West Street
City:	Taiyuan
State/Country:	CHINA
PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	18595263
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>	
Phone:	6175801293
Email:	qianqianwu2017job@gmail.com
Correspondent Name:	Qianqian Wu
Address Line 1:	64 Bank St
Address Line 4:	ABINGTON, MASSACHUSETTS 02351
ATTORNEY DOCKET NUMBER:	2402006TYLGDXUS1257
NAME OF SUBMITTER:	Qianqian Wu
SIGNATURE:	Qianqian Wu
DATE SIGNED:	08/13/2024
Total Attachments: 7	

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ASSIGNMENT BY INVENTOR(S) OF U.S. PATENT APPLICATION

Attorney Docket Number	2402006TYLGDXUS1257
Title of Invention	I-PATTERNED FILLING METHOD FOR INITIAL STAGE OF COAL MINING BASED ON ROOF FRACTURE FEATURE CHARACTERITICS

WHEREAS, I believe that I am the original inventor or an original joint inventor (referred to as ASSIGNOR below) of a claimed invention in the application identified by the title above.

Taiyuan University of Technology

WHEREAS,

having a postal address of No. 79, Yingze West Street, Taiyuan , Shanxi , 030024 China

(referred to as ASSIGNEE below) desires to acquire the entire right, title, and interest in and to the same in the United States;

NOW, THEREFORE, for good and valuable consideration, the receipt and adequacy of which is hereby acknowledged, **ASSIGNOR, by these presents does sell, assign and transfer unto ASSIGNEE, the entire right, title, and interest in and to said invention and application throughout the United States of America, including any and all patents granted on any division, continuation, continuation-in-part, reexamination, and reissue of said application, whether granted in an initial or supplemental examination thereof.**

ASSIGNOR hereby agrees to execute any documents that legally may be required in connection with the filing, prosecution and maintenance of said application or any other patent applications in the United States for said invention, including additional documents that may be required to affirm the rights of ASSIGNEE in and to said invention and application, all without further consideration. ASSIGNOR also agrees, without further consideration and at ASSIGNEE's expense, to identify and communicate to ASSIGNEE at ASSIGNEE's request documents and information concerning the invention that are within ASSIGNOR's possession or control, and to provide further assurances and testimony on behalf of ASSIGNEE that lawfully may be required of ASSIGNOR in respect of the prosecution, maintenance and defense of any patent application or patent encompassed within the terms of this instrument. ASSIGNOR's obligations under this instrument shall extend to ASSIGNOR's heirs, executors, administrators and other legal representatives.

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ASSIGNOR authorizes Practitioners associated with the Customer Number 177,089 to insert or complete any information in this document needed to effect its recordal in the U.S. Patent and Trademark Office and to record the same.

LEGAL NAME OF ASSIGNOR

Assignor: FENG,Guorui Date: 02/29/2024

Signature: FENG,Guorui

ASSIGNMENT BY INVENTOR(S) OF U.S. PATENT APPLICATION

Attorney Docket Number	2402006TYLGDXUS1257
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<p>WHEREAS, I believe that I am the original inventor or an original joint inventor (referred to as ASSIGNOR below) of a claimed invention in the application identified by the title above.</p> <p style="text-align: center;">Taiyuan University of Technology</p> <p>WHEREAS,</p> <p>having a postal address of No. 79, Yingze West Street, Taiyuan , Shanxi , 030024 China</p> <p>(referred to as ASSIGNEE below) desires to acquire the entire right, title, and interest in and to the same in the United States;</p> <p>NOW, THEREFORE, for good and valuable consideration, the receipt and adequacy of which is hereby acknowledged, ASSIGNOR, by these presents does sell, assign and transfer unto ASSIGNEE, the entire right, title, and interest in and to said invention and application throughout the United States of America, including any and all patents granted on any division, continuation, continuation-in-part, reexamination, and reissue of said application, whether granted in an initial or supplemental examination thereof.</p> <p>ASSIGNOR hereby agrees to execute any documents that legally may be required in connection with the filing, prosecution and maintenance of said application or any other patent applications in the United States for said invention, including additional documents that may be required to affirm the rights of ASSIGNEE in and to said invention and application, all without further consideration. ASSIGNOR also agrees, without further consideration and at ASSIGNEE's expense, to identify and communicate to ASSIGNEE at ASSIGNEE's request documents and information concerning the invention that are within ASSIGNOR's possession or control, and to provide further assurances and testimony on behalf of ASSIGNEE that lawfully may be required of ASSIGNOR in respect of the prosecution, maintenance and defense of any patent application or patent encompassed within the terms of this instrument. ASSIGNOR's obligations under this instrument shall extend to ASSIGNOR's heirs, executors, administrators and other legal representatives.</p> <p>ASSIGNOR hereby authorizes and requests the Commissioner of Patents and Trademarks to issue any and all patents referred to above to ASSIGNEE, as the ASSIGNEE of the entire right, title and interest in and to the same, for ASSIGNEE's sole use and behoof; and for the use and behoof of ASSIGNEE's legal representatives and successors, to the full end of the term for which such patent may be granted, as fully and entirely as the same would have been held by ASSIGNOR had this assignment and sale not been made.</p> <p>ASSIGNOR authorizes Practitioners associated with the Customer Number 177,089 to insert or complete any information in this document needed to effect its recordal in the U.S. Patent and Trademark Office and to record the same.</p>	
LEGAL NAME OF ASSIGNOR	
Assignor: _____	GUO,Wei _____ Date: 02/29/2024 _____
Signature: _____	GUO Wei _____

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Attorney Docket Number	2402006TYLGDXUS1257
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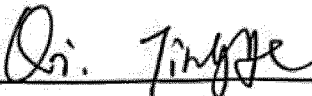
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LEGAL NAME OF ASSIGNOR

Assignor: QI, Tingye Date: 02/29/2024

Signature: 

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Attorney
Docket
Number

2402006TYLGDXUS1257

Title of
Invention

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LEGAL NAME OF ASSIGNOR

Assignor: LI,Zhu Date: 02/29/2024

Signature: LI Zhu

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LEGAL NAME OF ASSIGNOR

Assignor: CUI, Jiaqing Date: 02/29/2024

Signature: CUI Jiaqing

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LEGAL NAME OF ASSIGNOR

Assignor: CUI,Yekai Date: 02/29/2024

Signature: CUI Yekai

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Assignor: _____	MA, Jingkai
Date: _____	02/29/2024
Signature: _____	MA Jingkai