506748817 07/02/2021

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT6795633

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
MEIJUN WANG	06/29/2021
NUANNUAN YANG	06/29/2021
KECHANG XIE	06/29/2021
YANFENG SHEN	06/29/2021
XIURONG REN	06/29/2021
LIPING CHANG	06/29/2021
WEIREN BAO	06/29/2021

RECEIVING PARTY DATA

Name:	TAIYUAN UNIVERSITY OF TECHNOLOGY
Street Address:	NO. 79, YINGZE WEST STREET
City:	TAIYUAN, SHANXI
State/Country:	CHINA
Postal Code:	030024

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	17366729

CORRESPONDENCE DATA

Fax Number: (347)696-4111

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: 6317419685

Email: zhilin@dragonsunlaw.com

Correspondent Name: JINGGAO LI

Address Line 1: 1100 KINGS HIGHWAY EAST

Address Line 2: SUITE 2F

Address Line 4: FAIRFIELD, CONNECTICUT 06825

ATTORNEY DOCKET NUMBER:	W21-XJS-TYLG-399USU
NAME OF SUBMITTER:	JINGGAO LI
SIGNATURE:	/Jinggao LI/
DATE SIGNED:	07/02/2021

506748817 PATENT REEL: 056745 FRAME: 0802

Total Attachments: 7 source=W21_XJS_TYLG_399USU_ASSIGNMENTS_7inventors#page1.tif source=W21_XJS_TYLG_399USU_ASSIGNMENTS_7inventors#page2.tif source=W21_XJS_TYLG_399USU_ASSIGNMENTS_7inventors#page3.tif source=W21_XJS_TYLG_399USU_ASSIGNMENTS_7inventors#page4.tif source=W21_XJS_TYLG_399USU_ASSIGNMENTS_7inventors#page5.tif source=W21_XJS_TYLG_399USU_ASSIGNMENTS_7inventors#page6.tif source=W21_XJS_TYLG_399USU_ASSIGNMENTS_7inventors#page7.tif

PATENT REEL: 056745 FRAME: 0803

Attorney Docket Number	WZ1-XJS-TYLG-399USU		
Title of Invention	DEVICE FOR DETERMINING EXPANSION PRESSURE AND EXPANSION DISPLACEMENT OF COKING COAL BASED ON SELF-REGULATION OF SPRING		
invention in WHEREAS	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 po	stal address of No. 79, Yingze West Street, Taiyuan , Shanxi , 030024 China		
	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.			
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.			
ASS in this docu	IGNOR authorizes Practitioners associated with the Customer Number 176917 to insert or complete any information nent needed to effect its recordal in the U.S. Patent and Trademark Office and to record the same		
LEGAL NA	ME OF ASSIGNOR		
Assignor	WANG,Meijun Date: 06/29/2021		
Signature:	WANG, Meijun		

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Attorney Docket Number	W21-XJS-TYLG-399USU
Title of Invention	DEVICE FOR DETERMINING EXPANSION PRESSURE AND EXPANSION DISPLACEMENT OF COKING COAL BASED ON SELF-REGULATION OF SPRING
Invention in WHEREAS	I believe that I am the original inventor or an original joint inventor (referred to as ASSIGNOR below) of a claimed the application identified by the title above. Taiyuan University of Technology stal address of No. 79, Yingze West Street, Taiyuan , Shanxi , 030024 China
NO ASSIGNOR sald Invent division, co	as ASSIGNEE below) desires to acquire the entire right, title, and interest in and to the same in the United States; W. THEREFORE, for good and valuable consideration, the receipt and adequacy of which is hereby acknowledged, I, by these presents does sell, assign and transfer unto ASSIGNEE, the entire right, title, and interest in and to lon and application throughout the United States of America, including any and all patents granted on any ntinuation, continuation-in-part, reexamination, and reissue of said application, whether granted in an initial or all examination thereof.
ASS prosecution additional d further cons communica ASSIGNOF be required encompass	GIGNOR hereby agrees to execute any documents that legally may be required in connection with the filing, and maintenance of said application or any other patent applications in the United States for said invention, including ocuments that may be required to affirm the rights of ASSIGNEE in and to said invention and application, all without lideration. ASSIGNOR also agrees, without further consideration and at ASSIGNEE's expense, to identify and the total ASSIGNEE at ASSIGNEE's request documents and information concerning the invention that are within the possession or control, and to provide further assurances and testimony on behalf of ASSIGNEE that lawfully may of ASSIGNOR in respect of the prosecution, maintenance and defense of any patent application or patent additional to the prosecution of th
referred to use and be which such	SIGNOR hereby authorizes and requests the Commissioner of Patents and Trademarks to issue any and all patents shove to ASSIGNEE, as the ASSIGNEE of the entire right, title and interest in and to the same, for ASSIGNEE's sole hoof, and for the use and behoof of ASSIGNEE's legal representatives and successors, to the full end of the term for patent may be granted, as fully and entirely as the same would have been held by ASSIGNOR had this assignment toes made.
AS! in this docu	SIGNOR authorizes Practitioners associated with the Customer Number 176917 to insert or complete any information ment needed to effect its recordal in the U.S. Patent and Trademark Office and to record the same.
LEGAL N	AME OF ASSIGNOR
Assignor:	YANG,Nuannuan Date: 06/29/2021
Signature	YANG, Noannian

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Na		
Attorney Docket Number	W21-XJS-TYLG-399USU	
Title of Invention	DEVICE FOR DETERMINING EXPANSION PRESSURE AND EXPANSION DISPLACEMENT OF COKING COAL BASED ON SELF-REGULATION OF SPRING	
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 po	stal address of No. 79, Yingze West Street, Taiyuan , Shanxi , 030024 China	
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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.		
referred to use and be which such	SIGNOR hereby authorizes and requests the Commissioner of Patents and Trademarks to issue any and all patents above to ASSIGNEE, as the ASSIGNEE of the entire right, title and interest in and to the same, for ASSIGNEE's sole hoof; and for the use and behoof of ASSIGNEE's legal representatives and successors, to the full end of the term for patent may be granted, as fully and entirely as the same would have been held by ASSIGNOR had this assignment if been made.	
AS in this docs	SIGNOR authorizes Practitioners associated with the Customer Number 176917 to insert or complete any information ment needed to effect its recordal in the U.S. Patent and Trademark Office and to record the same.	
LEGAL N	AME OF ASSIGNOR	
Assignor:	XIE,Kechang 06/29/2021	
Signature	XIE, Kechang	

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1		
Attorney Docket Number	W21-XJS-TYLG-399USU	
Title of Invention	DEVICE FOR DETERMINING EXPANSION PRESSUR COKING COAL BASED ON SELF-REGULATION OF S	
	I believe that I am the original inventor or an original joint inve the application identified by the title above. Talyuan University of Technology	entor (referred to as ASSIGNOR below) of a claimed
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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.		
referred to a use and be which such	EIGNOR hereby authorizes and requests the Commissioner of a above to ASSIGNEE, as the ASSIGNEE of the entire right, title shoot, and for the use and behoof of ASSIGNEE's legal represer patent may be granted, as fully and entirely as the same would t been made.	e and interest in and to the same, for ASSIGNEE's sole entatives and successors, to the full end of the term for
ASS in this docu	SIGNOR authorizes Practitioners associated with the Customer ment needed to effect its recordal in the U.S. Patent and Trade	r Number 176917 to insert or complete any information emark Office and to record the same.
LEGAL N	AME OF ASSIGNOR	
Assignor	SHEN, Yanfeng	06/29/2021
Signature:	SHEN, Yanfeng	

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Y.	
Attorney Docket Number	W21-XJS-TYLG-389USU
Title of Invention	DEVICE FOR DETERMINING EXPANSION PRESSURE AND EXPANSION DISPLACEMENT OF COKING COAL BASED ON SELF-REGULATION OF SPRING
WHEREAS invention in WHEREAS	I believe that I am the original inventor or an original joint inventor (referred to as ASSIGNOR below) of a claimed the application identified by the title above. Taiyuan University of Technology
	stal 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:
ASSIGNOR sald invent division, co	N, THEREFORE, for good and valuable consideration, the receipt and adequacy of which is hereby acknowledged, I, by these presents does sell, assign and transfer unto ASSIGNEE, the entire right, title, and interest in and to lon and application throughout the United States of America, including any and all patents granted on any itinuation, continuation-in-part, reexamination, and reissue of said application, whether granted in an initial or at examination thereof.
prosecution additional d further cons communica ASSIGNOF be required encompass	SIGNOR hereby agrees to execute any documents that legally may be required in connection with the filing, and maintenance of said application or any other patent applications in the United States for said invention, including ocuments that may be required to affirm the rights of ASSIGNEE in and to said invention and application, all without ideration. ASSIGNOR also agrees, without further consideration and at ASSIGNEE's expense, to identify and to to ASSIGNEE at ASSIGNEE's request documents and information concerning the invention that are within its possession or control, and to provide further assurances and testimony on behalf of ASSIGNEE that lawfully may of ASSIGNOR in respect of the prosecution, maintenance and defense of any patent application or patent ed within the terms of this instrument. ASSIGNOR's obligations under this instrument shall extend to ASSIGNOR's store, administrators and other legal representatives.
referred to use and be which such	SIGNOR hereby authorizes and requests the Commissioner of Patents and Trademarks to issue any and all patents above to ASSIGNEE, as the ASSIGNEE of the entire right, title and interest in and to the same, for ASSIGNEE's sole noof, and for the use and behoof of ASSIGNEE's legal representatives and successors, to the full end of the term for patent may be granted, as fully and entirely as the same would have been held by ASSIGNOR had this assignment I been made.
ASS In this docu	RIGNOR authorizes Practitioners associated with the Customer Number 176917 to insert or complete any information ment needed to effect its recordal in the U.S. Patent and Trademark Office and to record the same.
LEGAL N	WE OF ASSIGNOR
Assignor	REN,Xiurong Date: 06/29/2021
Signature:	REN, Xiurey

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Attorney Docket Number	W21-XJ5-TYLG-399USU
Title of Invention	DEVICE FOR DETERMINING EXPANSION PRESSURE AND EXPANSION DISPLACEMENT OF COKING COAL BASED ON SELF-REGULATION OF SPRING
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NO ASSIGNOR said invent division, co supplement ASS	as ASSIGNEE below) desires to acquire the entire right, title, and interest in and to the same in the United States, W. THEREFORE, for good and valuable consideration, the receipt and adequacy of which is hereby acknowledged, to by these presents does sell, assign and transfer unto ASSIGNEE, the entire right, title, and interest in and to bon and application throughout the United States of America, including any and all patients granted on any ntimuation, continuation-in-part, reexemination, and reissue of said application, whether granted in an initial or all examination thereof. BIGNOR hereby agrees to execute any documents that legally may be required in connection with the filing, and maintenance of said application or any other patent applications in the United States for said invention, including
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LEGAL N	AME OF ASSIGNOR
Assignor:	CHANG, Liping Date: 06/29/2021
Signature	CHANG, Liping

PAGE 6 OF 7

1			
Attorney Docket Number	WZ1-XJS-TYLG-399USU		
Tille of Invention	DEVICE FOR DETERMINING EXPANSION PRESSURE AND EXPANSION DISPLACEMENT OF COKING COAL BASED ON SELF-REGULATION OF SPRING		
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LEGAL N	ME OF ASSIGNOR		
Assignon.	BAO,Weiren Date 06/29/2021		
Signature:	PAO, Weiten		

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RECORDED: 07/02/2021

PATENT REEL: 056745 FRAME: 0810