# 506300828 10/13/2020

# PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT6347579

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

### **CONVEYING PARTY DATA**

Name	Execution Date
SHANSI TIAN	08/29/2020
BO LIU	08/29/2020
XIAOFEI FU	08/29/2020
FANG ZENG	08/29/2020
XU DONG	08/29/2020
YIFEI GAO	08/29/2020
ZHENJIE LUO	08/29/2020

# **RECEIVING PARTY DATA**

Name:	NORTHEAST PETROLEUM UNIVERSITY
Street Address:	199 FAZHAN ROAD, HIGH-TECH DEVELOPMENT ZONE
City:	LONGFENG DISTRICT, DAQING, HEILONGJIANG
State/Country:	CHINA

### **PROPERTY NUMBERS Total: 1**

Property Type	Number
Application Number:	17061550

# **CORRESPONDENCE DATA**

**Fax Number:** (954)507-4502

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:** 9545074500

Email: info@johnsondalal.com
Correspondent Name: MARK C. JOHNSON

Address Line 1: 111 NORTH PINE ISLAND ROAD SUITE 103

Address Line 4: PLANTATION, FLORIDA 33324

ATTORNEY DOCKET NUMBER:	NPU_20_NPA1
NAME OF SUBMITTER:	MARK C. JOHNSON
SIGNATURE:	/Mark C. Johnson/
DATE SIGNED:	10/13/2020

**Total Attachments: 21** 

PATENT REEL: 054060 FRAME: 0878

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PATENT REEL: 054060 FRAME: 0879

# Attorney Docket No: NPU 20 NPA1

For good and valuable consideration, the receipt and sufficiency whereof is hereby acknowledged, Shansi Tian, a Chinese inventor located at 199 Fazhan Road, High-tech Development Zone, Longfeng District, Daqing, Heilongjiang, China, hereinafter referred to as "Assignor," hereby sells, assigns, transfers, and sets over to Northeast Petroleum University, a Chinese university located at 199 Fazhan Road, High-tech Development Zone, Longfeng District, Daqing, Heilongjiang, China, hereinafter referred to as "Assignee," the successors, assigns and legal representatives, the full, exclusive, and entire right, title and interest, in and for the United States and all foreign countries, in and to any and all inventions relating to, and which are disclosed in, the patent applications which are entitled as follows:

1. United States Patent Application No. 17/061,550 (entitled "METHOD AND SYSTEM FOR QUANTITATIVELY EVALUATING SURFACE ROUGHNESS OF ORGANIC PORE OF KEROGEN IN SHALE"), filed October 1, 2020

including any all, divisional, continuing, substitute, renewal, reissue, re-examination, extensions, certificates, international, and all other applications for Letters Patent which have been or shall be filed in the United States and all foreign countries on any of said inventions or to which the benefits of the priority or filing date of said applications that are or will be claimed; and in and to all original and reissued patents which have been or shall be filed in the United States and all foreign countries on said inventions including all rights under the International Convention for the Protection of Industrial Property to be held and enjoyed by Assignee for its own use and the use of its successors, legal representatives and assigns to the full term or terms for which Letters Patent or Patents may be granted, as fully and entirely as the same would have been held and enjoyed by the Assignor, had the assignment not been made;

Assignor agrees that Assignee may apply for and receive Letters Patent in this or any other countries for said inventions in its own name and that, at the request of the Assignee and, without charge to but at the expense of said Assignee, Assignor will carry out in good faith the intent and purpose of this Assignment; execute forms and documents for all divisional, continuing, substitute, renewal, reissue, and all other patent applications on any and all said inventions; execute all rightful oaths, assignments, powers of attorney and other papers; communicate to Assignee all facts known to the undersigned relating to said inventions and the history thereof; and generally do everything possible which Assignee shall consider desirable for aiding in securing and mainlining proper patent protection for said inventions and for vesting title to said inventions, and all applications for patents and all patents on inventions in said Assignee;

Assignor covenants with Assignee that no assignment, grant, mortgage, license or other agreement affecting the rights and property herein conveyed has been made to others by the undersigned, and that full right to convey the same as herein expressed is possessed by the undersigned; AND

WORLDWIDE ASSIGNMENT (Continued)
Attorney Docket No: NPU_20_NPA1
Assignor's Name  Shansi Tian  Mobi Vom  Signature  Ayyul L. Wo  Date of Execution
STATE OF Miley jem ) COUNTY OF Mina . )
BEFORE ME, the undersigned authority, personally appeared, known to me or who produced as identification, and who upon oath deposes and says that the statements and signature contained herein are true and correct to the best of his/her knowledge and belief.
SWORN TO and subscribed before me on this day of, 2020.
Notary Public  My Commission Expires:
Names of Additional Assignors? [ ] YES [X] NO

WORLDWIDE ASSIGNMENT (Continued)
Attorney Docket No: NPU_20_NPA1
Assignee's Name  Northeast Petroleum University  Signature Shansi Tian  Awyst, H. Who  Date of Execution  STATE OF Hei Miim
STATE OF Heilming COUNTY OF China
BEFORE ME, the undersigned authority, personally appeared, known to me or
who producedas identification, and who upon oath deposes and says that the statements and signature contained herein are true and correct to the best of his/her knowledge and belief.
SWORN TO and subscribed before me on this day of, 2020.
Notary Public  My Commission Expires:
Names of Additional Assignees? [ ] YES [X] NO

# Attorney Docket No: NPU 20 NPA1

For good and valuable consideration, the receipt and sufficiency whereof is hereby acknowledged, **Bo Liu**, a Chinese inventor located at 199 Fazhan Road, High-tech Development Zone, Longfeng District, Daqing, Heilongjiang, China, hereinafter referred to as "Assignor," hereby sells, assigns, transfers, and sets over to **Northeast Petroleum University**, a Chinese university located at 199 Fazhan Road, High-tech Development Zone, Longfeng District, Daqing, Heilongjiang, China, hereinafter referred to as "Assignee," the successors, assigns and legal representatives, the full, exclusive, and entire right, title and interest, in and for the United States and all foreign countries, in and to any and all inventions relating to, and which are disclosed in, the patent applications which are entitled as follows:

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Assignor agrees that Assignee may apply for and receive Letters Patent in this or any other countries for said inventions in its own name and that, at the request of the Assignee and, without charge to but at the expense of said Assignee, Assignor will carry out in good faith the intent and purpose of this Assignment; execute forms and documents for all divisional, continuing, substitute, renewal, reissue, and all other patent applications on any and all said inventions; execute all rightful oaths, assignments, powers of attorney and other papers; communicate to Assignee all facts known to the undersigned relating to said inventions and the history thereof; and generally do everything possible which Assignee shall consider desirable for aiding in securing and mainlining proper patent protection for said inventions and for vesting title to said inventions, and all applications for patents and all patents on inventions in said Assignee;

Assignor covenants with Assignee that no assignment, grant, mortgage, license or other agreement affecting the rights and property herein conveyed has been made to others by the undersigned, and that full right to convey the same as herein expressed is possessed by the undersigned; AND

WORLDWIDE ASSIGNMENT (Continued)	
Attorney Docket No: NPU_20_NPA1	
Assignor's Name	
Bo Liu	
D- 13	
Bo Liu Signature	
August 29, 2000	
Date of Execution	
STATE OF Heilongians, COUNTY OF China	
COLINTY OF China	
(COOK) ( (C) (C) (C) (C) (C) (C) (C) (C) (C)	
BEFORE ME, the undersigned authority, personally appeared	, known to me or
who producedas identificatio	3
deposes and says that the statements and signature contained herein are true	e and correct to the
best of his/her knowledge and belief.	
SWORN TO and subscribed before me on this day of	, 2020.
Notary Public	
My Commission Expires:	
wy Commission Expires.	
N	
Names of Additional Assignors? [ ] YES [X] NO	

WORLDWIDE ASSIGNMENT (Continued)
Attorney Docket No: NPU_20_NPA1
Assignee's Name  Northeast Petroleum University  Signature Shansi Tian  Amgl. 2, 200  Date of Execution
STATE OF Milanian COUNTY OF Mina
BEFORE ME, the undersigned authority, personally appeared, known to me or who produced as identification, and who upon oath
deposes and says that the statements and signature contained herein are true and correct to the best of his/her knowledge and belief.
SWORN TO and subscribed before me on this day of, 2020.
Notary Public
My Commission Expires:
Names of Additional Assignees? [ ] YES [X] NO

# Attorney Docket No: NPU 20 NPA1

For good and valuable consideration, the receipt and sufficiency whereof is hereby acknowledged, Xiaofei Fu, a Chinese inventor located at 199 Fazhan Road, High-tech Development Zone, Longfeng District, Daqing, Heilongjiang, China, hereinafter referred to as "Assignor," hereby selfs, assigns, transfers, and sets over to Northeast Petroleum University, a Chinese university located at 199 Fazhan Road, High-tech Development Zone, Longfeng District, Daqing, Heilongjiang, China, hereinafter referred to as "Assignee," the successors, assigns and legal representatives, the full, exclusive, and entire right, title and interest, in and for the United States and all foreign countries, in and to any and all inventions relating to, and which are disclosed in, the patent applications which are entitled as follows:

1. United States Patent Application No. <u>17/061,550</u> (entitled "METHOD AND SYSTEM FOR QUANTITATIVELY EVALUATING SURFACE ROUGHNESS OF ORGANIC PORE OF KEROGEN IN SHALE"), filed <u>October 1, 2020</u>,

including any all, divisional, continuing, substitute, renewal, reissue, re-examination, extensions, certificates, international, and all other applications for Letters Patent which have been or shall be filed in the United States and all foreign countries on any of said inventions or to which the benefits of the priority or filing date of said applications that are or will be claimed; and in and to all original and reissued patents which have been or shall be filed in the United States and all foreign countries on said inventions including all rights under the International Convention for the Protection of Industrial Property to be held and enjoyed by Assignee for its own use and the use of its successors, legal representatives and assigns to the full term or terms for which Letters Patent or Patents may be granted, as fully and entirely as the same would have been held and enjoyed by the Assignor, had the assignment not been made:

Assignor agrees that Assignee may apply for and receive Letters Patent in this or any other countries for said inventions in its own name and that, at the request of the Assignee and, without charge to but at the expense of said Assignee, Assignor will carry out in good faith the intent and purpose of this Assignment; execute forms and documents for all divisional, continuing, substitute, renewal, reissue, and all other patent applications on any and all said inventions; execute all rightful oaths, assignments, powers of attorney and other papers; communicate to Assignee all facts known to the undersigned relating to said inventions and the history thereof; and generally do everything possible which Assignee shall consider desirable for aiding in securing and mainlining proper patent protection for said inventions and for vesting title to said inventions, and all applications for patents and all patents on inventions in said Assignee;

Assignor covenants with Assignee that no assignment, grant, mortgage, license or other agreement affecting the rights and property herein conveyed has been made to others by the undersigned, and that full right to convey the same as herein expressed is possessed by the undersigned; AND

WORLDWIDE ASSIGNMENT (Continued)	
Attorney Docket No: NPU_20_NPA1	
<u>Assignor's Name</u>	
Xiaofel Fu	
<u>Xîaofei Fu</u>	
Signature	
August 29, 2020 Date of Execution	
STATE OF Heilong and ) COUNTY OF China	
BEFORE ME, the undersigned authority, personally appeared as identification, and who upon to metable and the control of	
deposes and says that the statements and signature contained herein are true and correct to best of his/her knowledge and belief.	
SWORN TO and subscribed before me on this day of, 2020.	
Notary Public	
My Commission Expires:	
Names of Additional Assignors? [ ] YES [X] NO	

WORLDWIDE ASSIGNMENT (Continued)
Attorney Docket No: NPU_20_NPA1
Assignee's Name  Northeast Petroleum University  Signature Shansi Tian  AMBI, 28, 2020  Date of Execution
Date of Execution
STATE OF Wilder jierg ) COUNTY OF China. )  BEFORE ME, the undersigned authority, personally appeared known to me or
who produced as identification, and who upon oath
deposes and says that the statements and signature contained herein are true and correct to the best of his/her knowledge and belief.
SWORN TO and subscribed before me on this day of, 2020.
Notary Public  My Commission Expires:
Names of Additional Assignees? [ ] YES [X] NO

# Attorney Docket No: NPU 20 NPA1

For good and valuable consideration, the receipt and sufficiency whereof is hereby acknowledged, Fang Zeng, a Chinese inventor located at 199 Fazhan Road, High-tech Development Zone, Longfeng District, Daqing, Heilongjiang, China, hereinafter referred to as "Assignor," hereby sells, assigns, transfers, and sets over to Northeast Petroleum University, a Chinese university located at 199 Fazhan Road, High-tech Development Zone, Longfeng District, Daqing, Heilongjiang, China, hereinafter referred to as "Assignee," the successors, assigns and legal representatives, the full, exclusive, and entire right, title and interest, in and for the United States and all foreign countries, in and to any and all inventions relating to, and which are disclosed in, the patent applications which are entitled as follows:

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WORLDWIDE ASSIGNMENT (Continued)
Attorney Docket No: NPU_20_NPA1
Assignor's Name  Fang Zeng  Faug Zeng  Signature  Augul . Ly . Late - Date of Execution
STATE OF Herland james; County OF Ching.
BEFORE ME, the undersigned authority, personally appeared, known to me or
who produced as identification, and who upon oath deposes and says that the statements and signature contained herein are true and correct to the best of his/her knowledge and belief.
SWORN TO and subscribed before me on this day of, 2020.
Notary Public  My Commission Expires:
Names of Additional Assignors? [ ] YES [X] NO

Page 2 of 3

WORLDWIDE ASSIGNMENT (Continued)		
Attorney Docket No: NPU_20_NPA1		
Assignee's Name  Northeast Petroleum University		
Signature Shansi Tian Angwell, 28, 1000 V Date of Execution		
STATE OF Upi lang ) COUNTY OF (Mina)		
BEFORE ME, the undersigned authority, personally appeared, known to me or who produced as identification, and who upon oath		
deposes and says that the statements and signature contained herein are true and correct to the best of his/her knowledge and belief.		
SWORN TO and subscribed before me on this day of, 2020,		
Notary Public		
My Commission Expires:		
Names of Additional Assignees? [ ] YES [X] NO		

# Attorney Docket No: NPU\_20\_NPA1

For good and valuable consideration, the receipt and sufficiency whereof is hereby acknowledged, Xu Dong, a Chinese inventor located at 199 Fazhan Road, High-tech Development Zone, Longfeng District, Daqing, Heilongjiang, China, hereinafter referred to as "Assignor," hereby sells, assigns, transfers, and sets over to Northeast Petroleum University, a Chinese university located at 199 Fazhan Road, High-tech Development Zone, Longfeng District, Daqing, Heilongjiang, China, hereinafter referred to as "Assignee," the successors, assigns and legal representatives, the full, exclusive, and entire right, title and interest, in and for the United States and all foreign countries, in and to any and all inventions relating to, and which are disclosed in, the patent applications which are entitled as follows:

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WORLDWIDE ASSIGNMENT (Continued)	
Attorney Docket No: NPU_20_NPA1	
Assignor's Name  Xu Dong  Xu Done  Signature  August : 24 : 2500 .  Date of Execution	
August : 24 : 2010 : 7 Date of Execution	
STATE OF Herlong Hung. COUNTY OF Chara	
BEFORE ME, the undersigned authority, personally appeared	
who produced as identificati deposes and says that the statements and signature contained herein are trubest of his/her knowledge and belief.	
SWORN TO and subscribed before me on this day of	, 2020.
Notary Public	
My Commission Expires:	
Names of Additional Assignors? [ ] YES [X] NO	

WORLDWIDE ASSIGNMENT (Continued)
Attorney Docket No: NPU_20_NPA1
Assignee's Name  Northeast Petroleum University  Share Tian Signature Shansi Tian  Anjud, J., 2020  Date of Execution  STATE OF Mina  COUNTY OF China
BEFORE ME, the undersigned authority, personally appeared, known to me or
who producedas identification, and who upon oath deposes and says that the statements and signature contained herein are true and correct to the best of his/her knowledge and belief.
SWORN TO and subscribed before me on this day of, 2020.
Notary Public
My Commission Expires:
Names of Additional Assignees? [ ] YES [X] NO

# Attorney Docket No: NPU\_20\_NPA1

For good and valuable consideration, the receipt and sufficiency whereof is hereby acknowledged, Yifei Gao, a Chinese inventor located at 199 Fazhan Road, High-tech Development Zone, Longfeng District, Daqing, Heilongjiang, China, hereinafter referred to as "Assignor," hereby sells, assigns, transfers, and sets over to Northeast Petroleum University, a Chinese university located at 199 Fazhan Road, High-tech Development Zone, Longfeng District, Daqing, Heilongjiang, China, hereinafter referred to as "Assignee," the successors, assigns and legal representatives, the full, exclusive, and entire right, title and interest, in and for the United States and all foreign countries, in and to any and all inventions relating to, and which are disclosed in, the patent applications which are entitled as follows:

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Assignor agrees that Assignee may apply for and receive Letters Patent in this or any other countries for said inventions in its own name and that, at the request of the Assignee and, without charge to but at the expense of said Assignee, Assignor will carry out in good faith the intent and purpose of this Assignment; execute forms and documents for all divisional, continuing, substitute, renewal, reissue, and all other patent applications on any and all said inventions; execute all rightful oaths, assignments, powers of attorney and other papers; communicate to Assignee all facts known to the undersigned relating to said inventions and the history thereof; and generally do everything possible which Assignee shall consider desirable for aiding in securing and mainlining proper patent protection for said inventions and for vesting title to said inventions, and all applications for patents and all patents on inventions in said Assignee;

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WORLDWIDE ASSIGNMENT (Continued)
Attorney Docket No: NPU_20_NPA1
<u>Assignor's Name</u>
Yifei Gao
Yitei Gao
Yifei Gao Signature August . 29. 2020 Date of Execution
August . 29 2020  Date of Execution
<b>24.0 3.12.12.13.</b>
STATE OF Heilong jiang, County of China.
COUNTY OF China.
BEFORE ME, the undersigned authority, personally appeared, known to me or who produced as identification, and who upon oath
deposes and says that the statements and signature contained herein are true and correct to the
best of his/her knowledge and belief.
SWORN TO and subscribed before me on this day of, 2020.
Notary Public
My Commission Expires:
Names of Additional Assignors? [ ] YES [X] NO

WORLDWIDE ASSIGNMENT (Continued)
Attorney Docket No: NPU_20_NPA1
Assignee's Name
Northeast Petroleum University
Slans Tian Signature Shansi Tian Anghal, 28, 28
Date of Execution
STATE OF Moleculary ) COUNTY OF
BEFORE ME, the undersigned authority, personally appeared, known to me or
who produced as identification, and who upon oath
deposes and says that the statements and signature contained herein are true and correct to the best of his/her knowledge and belief.
SWORN TO and subscribed before me on this day of, 2020.
Notary Public
My Commission Expires:
Names of Additional Assignees? [ ] YES [X] NO

Attorney Docket No: NPU 20 NPA1

For good and valuable consideration, the receipt and sufficiency whereof is hereby acknowledged, **Zhenjie Luo**, a Chinese inventor located at 199 Fazhan Road, High-tech Development Zone, Longfeng District, Daqing, Heilongjiang, China, hereinafter referred to as "Assignor," hereby sells, assigns, transfers, and sets over to **Northeast Petroleum University**, a Chinese university located at 199 Fazhan Road, High-tech Development Zone, Longfeng District, Daqing, Heilongjiang, China, hereinafter referred to as "Assignee," the successors, assigns and legal representatives, the full, exclusive, and entire right, title and interest, in and for the United States and all foreign countries, in and to any and all inventions relating to, and which are disclosed in, the patent applications which are entitled as follows:

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WORLDWIDE ASSIGNMENT (Continued)
Attorney Docket No: NPU_20_NPA1
<u>Assignor's Name</u>
Zhenjie Luo
3 han le Luo Signature
Short le Luo Signature  August 19. 2000  Date of Execution
STATE OF Her Long (Lang). COUNTY OF Church
BEFORE ME, the undersigned authority, personally appeared, known to me or who produced as identification, and who upon oath
deposes and says that the statements and signature contained herein are true and correct to the best of his/her knowledge and belief.
SWORN TO and subscribed before me on this day of, 2020.
Notary Public
My Commission Expires:
Names of Additional Assignors? [ ] YES [X] NO

WORLDWIDE ASSIGNMENT (Continued)
Attorney Docket No: NPU_20_NPA1
Assignee's Name Northeast Petroleum University
SIGNATION Signature Shansi Tian  AMM, 26, 200  Date of Execution
STATE OF MILLIAM COUNTY OF China
BEFORE ME, the undersigned authority, personally appeared, known to me or
who producedas identification, and who upon oath deposes and says that the statements and signature contained herein are true and correct to the best of his/her knowledge and belief.
SWORN TO and subscribed before me on this day of, 2020.
Notary Public
My Commission Expires:
Names of Additional Assignees? [ ] YES [X] NO

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