

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
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EPAS ID: PAT7307625

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
SHOUXIANG MA	08/06/2020
CHENGBING LIU	08/06/2020
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	SAUDI ARABIAN OIL COMPANY
<b>Street Address:</b>	NORTH ADMIN BUILDING
<b>Internal Address:</b>	ROOM 3085
<b>City:</b>	DHAHRAN
<b>State/Country:</b>	SAUDI ARABIA
<b>Postal Code:</b>	31311
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
Application Number:	16984210
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	
<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>	
<b>Email:</b>	kdumas-scarber@slb.com
<b>Correspondent Name:</b>	KRISTINE DUMAS-SCARBER
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<b>ATTORNEY DOCKET NUMBER:</b>	IS19.1048-US-NP SAOC
<b>NAME OF SUBMITTER:</b>	KRISTINE DUMAS-SCARBER
<b>SIGNATURE:</b>	/KRISTINE DUMAS-SCARBER/
<b>DATE SIGNED:</b>	05/02/2022
<b>Total Attachments: 3</b>	
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## ASSIGNMENT

WHEREAS, I/We, **Shouxiang Ma**, a citizen of the United States of America whose post office address is **540 Safaniyah Drive, Dhahran, Saudi Arabia** and **Chengbing Liu**, a citizen of China whose post office address is **Villa B13L, TIG compound, Dhahran 34451, Saudi Arabia** have invented **METHODS AND SYSTEMS FOR CHARACTERIZING CLAY CONTENT OF A GEOLOGICAL FORMATION** as described and set forth in a United States Non Provisional Patent Application filed on **August 4, 2020** under Serial Number **16/984,210** This assignment is effective as of **August 4, 2020**.

AND WHEREAS, Saudi Arabian Oil Company, its successors and assigns (COMPANY), with principal office at Room 3085, North Admin. Building, Dhahran 31311, Saudi Arabia wants to acquire or confirm its acquisition of the entire right, title and interest in this invention, inventions or improvements, application, and any patent, both in the United States and all foreign countries;

NOW THEREFORE, TO ALL WHOM IT MAY CONCERN, BE IT KNOWN, that I/we, the inventor(s), for good, sufficient and valuable considerations, assign, transfer and convey to the COMPANY the entire right, title and interest throughout the world, in my/our invention as described in such an application, including the right to file foreign applications under the provisions of any convention or treaty; any confirmation, divisional, continuation, continuation-in-part, or substitute application which may be filed on this invention anywhere; and any patents, certificates, utility models, reissues, extensions, additions or confirmations which may be granted anywhere for the invention, TO HAVE AND TO HOLD the same to the full end of the term or terms for which any such patent may be issued.

AND I/we authorize and request the appropriate authority to issue any related patent to the COMPANY as the assignee of the entire right, title and interest in the patent, for the sole use and benefit of the COMPANY.

AND I/we covenant and warrant that I/we, have full right to convey the entire right, title and interest in this invention free and clear of all licenses, encumbrances or liens, and that I/we have not executed and will not execute any instruments in conflict with this agreement.

AND I/we agree that I/we, my/our executors, administrators, or other personal representatives, shall do whatever is legally necessary (make all rightful oaths, execute, and deliver any and all other instruments in writing, and any and all further applications, papers, powers, affidavits, assignments, disclaimers and other documents) in the opinion of counsel for the COMPANY, to secure and vest in the COMPANY, the entire right, title and interest in this invention, inventions, or improvements, application or applications, patents, rights, titles, benefits, privileges and advantages.

Assignment

Appl Filing Date: August 4, 2020

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IN WITNESS WHEREOF, I sign this 6 day of AUG, 2020.

S. Ma

**Shouxiang Ma**

WITNESSED:

BE IT KNOWN, that **Shouxiang Ma** is known to us to be the individual described in this assignment, that on this \_\_\_\_\_ day of \_\_\_\_\_, 2020, we were personally present and did see him/her sign and execute this assignment and that he/she acknowledged to us that he/she executed the same as his/her free act and deed for the uses and purposes therein set forth.

\_\_\_\_\_  
*First Witness (Signature)*

\_\_\_\_\_  
*Second Witness (Signature)*

Sandi Aramlo  
does not  
require  
signing with  
witnesses

S. Ma

Assignment

Appl Filing Date: August 4, 2020

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IN WITNESS WHEREOF, I sign this 6th day of AUG, 2020.



Chengbing Liu

WITNESSED:

BE IT KNOWN, that **Chengbing Liu** is known to us to be the individual described in this assignment, that on this \_\_\_\_\_ day of \_\_\_\_\_, 2020, we were personally present and did see him/her sign and execute this assignment and that he/she acknowledged to us that he/she executed the same as his/her free act and deed for the uses and purposes therein set forth.

\_\_\_\_\_  
First Witness (Signature)

\_\_\_\_\_  
Second Witness (Signature)

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