## 505533412 06/19/2019

## PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:		NEW ASSIGNM	ENT			
NATURE OF CONVEYANCE:		ASSIGNMENT	ASSIGNMENT			
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NATHAN LANE					2019	
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Application Number:16		16445773	45773			
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otal Attachments: 2						
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## ASSIGNMENT

WHEREAS, We, Jennie COOK, residing In, Houston, Texas, United States, Abdulla KERIMOV, residing in Houston, Texas, United States, and Nathan LANE, residing in Katy, Texas, United States respectively have made an invention relating to 'Systems and Methods for Estimating Mechanical Properties of Rocks Using Grain Contact Models' filed on 22 June 2018, under US Patent Application No. 62/688912 (hereinafter the "Invention");

WHEREAS, we Jennie COOK, Abdulla KERIMOV and Nathan LANE each acknowledges that when contributing to said invention and improvements thereto was employed by BP AMERICA PRODUCTION COMPANY, which has a registered office at 1209 Orange Street, Wilmington, Delaware 19801, United States, with corporate number 36-2347240, and having an official place of business at 150 West Warrenville Road, Naperville, Illinois 60563, United States;

WHEREAS it is the wish of all the parties that the entire right, title and interest in, to and under the said invention and any improvements thereon and the right to file patent applications therefor in any and all countries of the world any, and all patent applications therefor in the United States and all other countries of the world, and any and all Letters Patent which may be issued thereupon in the United States and all other countries of the world, shall vest solely in BP CORPORATION NORTH AMERICA INC., which has a registered office at 150 West Market Street, Suite 800, Indianapolis, Indiana 46204, United States, with corporate number 36-1812780, and having an official place of business at 501 Westlake Park Boulevard, Houston, Texas 77079, United States;

NOW THEREFORE, to the extent that specific assignment of the Invention and/or improvements thereon and the right to file patent applications therefor in any country of the world is needed for the purpose of recording or registration in any patent office, industrial property office or like governmental authority, WE, the said Jennie COOK, Abdulla KERIMOV and Nathan LANE and BP AMERICA PRODUCTION COMPANY, for valuable consideration, the receipt and adequacy of which we hereby acknowledge, agree to sell, assign, transfer and set over, and by these presents do hereby sell, assign, transfer and set over, unto BP CORPORATION NORTH AMERICA INC., its successors and assigns, and BP CORPORATION NORTH AMERICA INC. agrees to accept and hereby does accept, the entire right, uitle and interest in, to and under the said invention and any improvements thereon including priority rights and the right to file patent applications therefor in any and all countries of the world, and the right to claim priority from any patent application (including but not limited to US Patent Application No. 62/688912) for said invention and any improvements thereon in any country of the world, and any and all patent applications (including but not limited to US Patent Application No. 62/688912) and Letters Patent for said Invention and Improvements in the United States and all other countries of the world, and all divisions, renewals and continuations thereof, and all reissues and extensions thereof, with effect from 22 June 2019

And WE hereby covenant that we have full right to convey the entire interest herein assigned, and that we have not executed, and will not execute any agreement or other instrument in conflict herewith.

And WE hereby further covenant and agree that we will communicate to the assignee herein, its successors, legal representatives and assigns any facts known to us respecting said invention, and testify in any legal proceedings, sign all lawful papers, execute all divisional, continuing, renewal, reissue and extension applications, make all rightful declarations, and generally do everything possible to aid the assignee herein, its successors, legal representatives and assigns in obtaining and enforcing proper patent protection for said invention in the United States and all other countries of the world.

Sen Cu Dated: <u>5/16/201</u>9 Jennie COOK

Print Name

PATENTage 1 of 2 REEL: 049520 FRAME: 0591

Dated: 05/16/19

Abdulia KERIMOV

Witnessę

0° Dated:

Nathan LANE

<u>Unwere</u> Print Name Witnessed

Getten ale. Print Name

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Agreed for BP AMERICA PRODUCTION COMPANY:

5/22/19 Dated:

(signed)

(print name)

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Accepted for BP CORPORATION NORTH AMERICA INC.:

5/12/19 Dated:

(signed)

(print name)