502658719 01/30/2014

PATENT ASSIGNMENT COVER SHEET

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EPAS ID: PAT2705326

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
JOANNE FREDRICH	12/09/2013
ELIZABETH LIU	12/09/2013
LAURENT LOUIS	11/01/2013
DIANNE NI	12/09/2013

RECEIVING PARTY DATA

Name:	BP CORPORATION NORTH AMERICA INC.
Street Address:	501 WESTLAKE PARK BOULEVARD
City:	HOUSTON
State/Country:	TEXAS
Postal Code:	77079

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	14063742

CORRESPONDENCE DATA

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ATTORNEY DOCKET NUMBER:	500274 CP1
NAME OF SUBMITTER:	BERNADETTE Y. HARPER

PATENT REEL: 032138 FRAME: 0199

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Signature:	/Bemadette Y. Harper/
Date:	01/30/2014
Total Attachments: 3 source=500274CP1assignment#page1.tif source=500274CP1assignment#page2.tif source=500274CP1assignment#page3.tif	

PATENT REEL: 032138 FRAME: 0200

Assignment to

BP Corporation North America Inc.

Houston, Texas, United States of America

Whereas we,			
First inventor	Joanne Fredrich		
Post Office Address	150 West Warrenville Road, MC 200-11V, Naperville, IL 60563, USA		
Residence	Houston, Texas		
Second inventor	Elizabeth Liu		
Post Office Address	150 West Warrenville Road, MC 200-1W, Naperville, IL 60363, USA		
Residence	Houston, Texas		
Third inventor	Laurent Louis		
Post Office Address	150 West Warrenville Road, MC 200-1W, Naperville, IL 60563, USA		
Residence	Katy, Texas		
Fourth inventor	Dianne Ni		
Post Office Address	150 West Warrenville Road, MC 200-1W, Naperville, IL 60563, USA		
Residence	Katy, Texas		

have invented certain new and useful improvements in

SYSTEMS AND METHODS FOR IMPROVING DIRECT NUMERICAL SIMULATION OF MATERIAL PROPERTIES FROM ROCK SAMPLES AND DETERMINING UNCERTAINTY IN THE MATERIAL PROPERTIES

identified as: Attorney Docket: Fredrich et al. 500274 CP1

and described in an application for patent in the United States of America identified above and executed by us, respectively, and

Whereas, BP Corporation North America Inc., a corporation duly organized and existing under the laws of the State of Indiana, United States of America, and having a place of business at Houston, Texas, United States of America, desires to record a specific assignment to the entire right, title and interest in and to the above-identified invention or inventions, and in and to any Letters Patent therefore in the United States of America and countries foreign thereto;

Now therefore, for good and valuable consideration, the receipt of which is hereby acknowledged, we have sold and assigned, and hereby do sell and assign, to BP Corporation North America Inc., its successors and assigns, the entire right, title and interest (a) in the above-identified invention or inventions and all improvements and modifications thereof, (b) in the above-identified application, all provisional and non-provisional applications for patent upon which the above-identified application claims benefit, and all other applications for patent of the United States of America and countries foreign thereto for the above-identified invention or inventions and all improvements and modifications thereof, (c) in all Letters Patent which may issue from said applications in the United States of America and countries foreign thereto, and (d) in all divisions, reissues, continuations, conversions, and extensions of said applications and Letters Patent; and covenant we have the full right so to do; and we hereby authorize and request the Commissioner of Patents and Trademarks to issue all United States Letters Patent on the invention or inventions included herein to BP Corporation North America Inc. as assignee of the entire interest.

We further agree that we shall communicate to BP Corporation North America Inc., its successors and assigns, or their representatives or agents all facts and information known or available to us relating to said invention or inventions, improvements and modifications including evidence for interference,

reexamination, reissue, opposition, revocation, conversion, extension, or infringement purposes or other legal, judicial or administrative proceedings, whenever requested; testify in person or by affidavit as required by BP Corporation North America Inc., its successors and assigns, in any such proceeding in the United States of America or a country foreign thereto; execute and deliver, on request, all lawful papers including, but not limited to, original, provisional, non-provisional, divisional, continuation, continuation-inpart, and reissue applications, renewals, assignments, powers of attorney, oaths, affidavits, declarations, and depositions; and provide all reasonable assistance to BP Corporation North America Inc., its successors and assigns, in obtaining and enforcing proper protection for said invention or inventions, improvements and modifications under the intellectual property laws of the United States of America and countries foreign thereto.

In testimony whereof, I have hereunto set our hand,

Dated: <u>947.9₄4013</u>	Joanne Fredrich (1997)	Wingester (Signature) Tish- C. Wood
Dated: <u>/2/9 (2~/3</u>	Elizabeth Liu <u>(</u>	Witness name Witness connection of the second control of the seco
Dated: <u> </u>	Laurent Louis	Witnessed (signature) Jian Vand Witness norme
Dated: 1 <mark>2/09/2013</mark>	Dianne Ni / St.; Inventor name and signature	QQQQQQQQQQQQQQQQQQQQQQQQQQQQQQQQQQQQQQ

Witness name

This Assignment is accepted on behalf of the Assignee by its duly authorized representative.

BP Corporation North America Inc.

By:

Dated: 9 Sept. 2013

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