

PATENT ASSIGNMENT

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
Mr. Donald F. Shafer	09/11/2009
RECEIVING PARTY DATA	
Name:	BP Corporation North America Inc.
Street Address:	4101 Winfield Road
City:	Warrenville
State/Country:	ILLINOIS
Postal Code:	60555
PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	12560158
CORRESPONDENCE DATA	
Fax Number:	(866)765-5438
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>	
Phone:	281-366-6976
Email:	Mimi.Corona@bp.com
Correspondent Name:	Mimi Corona
Address Line 1:	501 WestLake Park Blvd.
Address Line 2:	WL1, 16.179A
Address Line 4:	Houston, TEXAS 77079
ATTORNEY DOCKET NUMBER:	US 39451-00
NAME OF SUBMITTER:	Albert K. Shung
Total Attachments: 2 source=US 39451-00 Assignment_2#page1.tif source=US 39451-00 Assignment_2#page2.tif	

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PATENT
REEL: 023318 FRAME: 0492

(Joint Inventor)

Assignment To
BP Corporation North America Inc.
Warrenville, Illinois, United States of America

Whereas I,

Inventor	Donald F. Shafer
Post Office Address	4101 Winfield Road, Mail Code 5 East, Warrenville, IL 60555
Residence	1111 west 12 th street, Unit 121, Austin, Texas 78703

have invented certain new and useful improvements in

**METHOD OF DETERMINING DOWNHOLE DRILLING CONDITIONS FROM
DISTRIBUTED MEASUREMENT DATA**

identified as Stephen T. Edwards et al.

Attorney Docket No. 39451-00

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

Whereas, **BP Corporation North America Inc.**, a corporation duly organized and existing under the laws of the State of Indiana, U.S.A., and having a principal office and place of business at Warrenville, Illinois, U.S.A., 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 therefor in the United States of America and countries foreign thereto;

Now therefore, in consideration of Ten Dollars (\$10.00) and other good and valuable consideration by me received, the receipt of which is hereby acknowledged, I 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 I have the full right so to do; and I 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.

I further agree that I 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 me 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-in-part, 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 my hand and seal, respectively, on the date set after my signature.

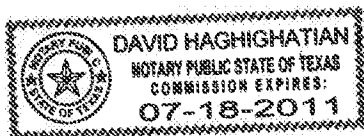
Donald F. Shafer (L.S.), 11 Sept, 2009
Donald F. Shafer

State of Texas)
County of Travis) SS

Before me this 11th day of Sept, 2009, personally appeared

Donald F. Shafer,
who is known to me to be the same person whose name is subscribed to the foregoing instrument, and who acknowledged such instrument was signed, sealed and delivered as that person's free and voluntary act for the uses and purposes set forth therein.

Seal



[Signature]
Notary Public