

## PATENT ASSIGNMENT COVER SHEET

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EPAS ID: PAT3747724

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
YIJIN ZENG	11/30/2015
WEI ZHANG	11/30/2015
JIBO LI	11/30/2015
WEINING NI	11/30/2015
HUANGSHENG LU	11/30/2015
SANGUO LI	11/30/2015
DAWEI DENG	11/30/2015
ZUYANG ZHU	11/30/2015
YITING ZHENG	11/30/2015
XIN LI	11/30/2015
YONGJIE LI	11/30/2015
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	CHINA PETROLEUM & CHEMICAL CORPORATION
<b>Street Address:</b>	22A CHAOYANGMENBEI STREET
<b>Internal Address:</b>	CHAOYANG DISTRICT
<b>City:</b>	BEIJING
<b>State/Country:</b>	CHINA
<b>Postal Code:</b>	100728
<b>Name:</b>	SINOPEC RESEARCH INSTITUTE OF PETROLEUM ENGINEERING
<b>Street Address:</b>	10TH FLOOR, NORTH-STAR TIMES TOWER
<b>Internal Address:</b>	NO.8 BEICHENDONG ROAD, CHAOYANG DISTRICT
<b>City:</b>	BEIJING
<b>State/Country:</b>	CHINA
<b>Postal Code:</b>	100101
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
Application Number:	14892842
<b>CORRESPONDENCE DATA</b>	

**Fax Number:** (703)836-7419

*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:** 703-836-6620

**Email:** mayra.castillo@bipc.com, fang.liu@bipc.com

**Correspondent Name:** BUCHANAN, INGERSOLL & ROONEY PC

**Address Line 1:** P.O. BOX 1404

**Address Line 4:** ALEXANDRIA, VIRGINIA 22313-1404

<b>ATTORNEY DOCKET NUMBER:</b>	0079521-000018
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<b>NAME OF SUBMITTER:</b>	MAYRA CASTILLO
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<b>SIGNATURE:</b>	/MAYRA CASTILLO/
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<b>DATE SIGNED:</b>	02/19/2016
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	This document serves as an Oath/Declaration (37 CFR 1.63).
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**Total Attachments: 3**

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## COMBINED DECLARATION AND ASSIGNMENT (JOINT)

As one of the below named inventors, I hereby declare that this Declaration is directed to:

- (1)  PCT application number PCT/CN2014/078170 filed on May 22, 2014, entitled **DATA TRANSMISSION SYSTEM AND METHOD FOR TRANSMITTING DOWNHOLE MEASUREMENT-WHILE-DRILLING DATA TO GROUND**; or
- (2)  the attached application entitled **DATA TRANSMITTING DOWNHOLE MEASUREMENT-WHILE-DRILLING DATA TO GROUND**.

### DECLARATION

As one of the below named inventors, I further declare that:

The above-identified application was made or authorized to be made by me.

I believe that I am an original joint inventor of a claimed invention in the application.

I have reviewed and understand the contents of the above-identified application, including the claims.

I acknowledge the duty to disclose to the U.S. Patent and Trademark Office all information known to me to be material to patentability as defined in Title 37, Code of Federal Regulations, § 1.56.

I hereby acknowledge that any willful false statement made in this declaration is punishable under 18 U.S.C. 1001 by fine or imprisonment of not more than five (5) years, or both.

### ASSIGNMENT

THIS ASSIGNMENT, by the undersigned inventors (hereinafter referred to as "the Assignors"), respectively, witnesseth:

WHEREAS, the Assignors have invented certain new and useful improvements set forth in the application for Letters Patent of the United States identified above;

WHEREAS, CHINA PETROLEUM & CHEMICAL CORPORATION, a corporation duly organized under and pursuant to the laws of CHINA and having a principal place of business at 22A Chaoyangmenbei Street, Chaoyang District, Beijing 100728, CHINA, and SINOPEC RESEARCH INSTITUTE OF PETROLEUM ENGINEERING, a corporation duly organized under and pursuant to the laws of CHINA and having a principal place of business at 10th Floor, North-Star Times Tower, No.8 Beichendong Road, Chaoyang District, Beijing 100101, CHINA, respectively (hereinafter referred to as "the Assignees"), are desirous of acquiring the entire right, title, and interest in and to said inventions, the right to file applications on said inventions and the entire right, title and interest in and to any applications, including provisional applications for Letters Patent of the United States or other countries claiming priority to said application, and in and to any Letters Patent or Patents, United States or foreign, to be obtained therefor and thereon.

NOW, THEREFORE, for good and sufficient consideration, the receipt of which is hereby acknowledged, the Assignors have sold, assigned, transferred, and set over, and by these presents does sell, assign, transfer, and set over, unto the Assignees, its successors, legal representatives, and assigns the entire right, title, and interest in and to the above-mentioned inventions, the right to file applications on said inventions

and the entire right, title and interest in and to any applications for Letters Patent of the United States or other countries claiming priority to said applications, and any and all Letters Patent or Patents of the United States of America and all foreign countries that may be granted therefor and thereon, and in and to any and all applications claiming priority to said applications, divisions, continuations, and continuations-in-part of said applications, and reissues and extensions of said Letters Patent or Patents, and all rights under the International Convention for the Protection of Industrial Property, the same to be held and enjoyed by the Assignees, for its own use and behoof and the use and behoof of its successors, legal representatives, and assigns, to the full end of the 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 Assignors had this sale and assignment not been made;

AND for the same consideration, the Assignors hereby covenant and agree to and with the Assignees, its successors, legal representatives, and assigns, that, at the time of execution and delivery of these presents, the Assignors are the sole and lawful owners of the entire right, title, and interest in and to the inventions set forth in said applications and said applications, including provisional applications, above-mentioned, and that the same are unencumbered, and that the Assignors have good and full right and lawful authority to sell and convey the same in the manner herein set forth;

AND for the same consideration, the Assignors hereby covenant and agree to and with the Assignees, its successors, legal representatives, and assigns that the Assignors will, whenever counsel of the Assignees, or the counsel of its successors, legal representatives, and assigns, shall advise that any proceeding in connection with said inventions or said applications for Letters Patent or Patents, or any proceeding in connection with Letters Patent or Patents for said inventions in any country, including interference proceedings, is lawful and desirable, or that any application claiming priority to said application, division, continuation, or continuation-in-part of any applications for Letters Patent or Patents, or any reissue or extension of any Letters Patent or Patents to be obtained thereon, is lawful and desirable, sign all papers and documents, take all lawful oaths, and do all acts necessary or required to be done for the procurement, maintenance, enforcement, and defense of Letters Patent or Patents for said inventions, without charge to the Assignees, its successors, legal representatives, and assigns, but at the cost and expense of the Assignees, its successors, legal representatives, and assigns;

AND the Assignors hereby request the Commissioner of Patents to issue any and all said Letters Patent of the United States to the Assignees as the Assignees of said inventions, the Letters Patent to be issued for the sole use and behoof of the Assignees, its successors, legal representatives, and assigns.

<u>November 30, 2015</u> Date	<u>Yijin ZENG</u> Name	<u>Yijin ZENG</u> Signature
<u>November 30, 2015</u> Date	<u>Wei ZHANG</u> Name	<u>Wei ZHANG</u> Signature
<u>November 30, 2015</u> Date	<u>Jibo LI</u> Name	<u>Jibo LI</u> Signature
<u>November 30, 2015</u> Date	<u>Weining NI</u> Name	<u>Weining NI</u> Signature

November. 30. 2015  
Date

Huangsheng LU  
Name

Huangsheng LU  
Signature

November 30. 2015  
Date

Sanguo LI  
Name

Sanguo. LI  
Signature

November 30. 2015  
Date

Dawei DENG  
Name

Dawei DENG  
Signature

November. 30. 2015  
Date

Zuyang ZHU  
Name

Zuyang ZHU  
Signature

November. 30. 2015  
Date

Yiting ZHENG  
Name

Yiting ZHENG  
Signature

November. 30. 2015  
Date

Xin LI  
Name

Xin LI  
Signature

November. 30. 2015  
Date

Yongjie LI  
Name

Yongjie LI  
Signature