

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
 Stylesheet Version v1.2

EPAS ID: PAT3216920

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
SUJIAN HUANG	02/05/2015
XINGHAN LIU	01/22/2015
JIANJUN YANG	01/22/2015
GANG XU	01/22/2015
FENG FENG	01/22/2015
RECEIVING PARTY DATA	
Name:	SMITH INTERNATIONAL, INC.
Street Address:	1310 RANKIN ROAD
City:	HOUSTON
State/Country:	TEXAS
Postal Code:	77073
PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	14584424
CORRESPONDENCE DATA	
Fax Number:	
<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>	
Email:	kdumas-scarber@slb.com
Correspondent Name:	KRISTINE DUMAS-SCARBER
Address Line 1:	10001 RICHMOND AVENUE
Address Line 2:	ROOM 4720
Address Line 4:	HOUSTON, TEXAS 77042
ATTORNEY DOCKET NUMBER:	IS13.3936-US-NP
NAME OF SUBMITTER:	KRISTINE DUMAS-SCARBER
SIGNATURE:	/KRISTINE DUMAS-SCARBER/
DATE SIGNED:	02/07/2015
Total Attachments: 8	
source=IS133936USNP_20150207_Signed_Assignment#page1.tif	

source=IS133936USNP_20150207_Signed_Assignment#page2.tif
source=IS133936USNP_20150207_Signed_Assignment#page3.tif
source=IS133936USNP_20150207_Signed_Assignment#page4.tif
source=IS133936USNP_20150207_Signed_Assignment#page5.tif
source=IS133936USNP_20150207_Signed_Assignment#page6.tif
source=IS133936USNP_20150207_Signed_Assignment#page7.tif
source=IS133936USNP_20150207_Signed_Assignment#page8.tif

Assignment

WHEREAS, the undersigned inventors hereinafter referred to as the "Inventors" each said Inventor's address being listed below:

Sujian Huang, a citizen of the United States of America, residing at F10, Building B, Jia 3 Yong An Dong Li, Jian Guo Men Wai Ave., Beijing 100022, CN;

Xinghan Liu, a citizen of China, residing at FL10, Building B, Jia 3, Yong An Dong Li, Jian Guo Men Wai Ave., Chao Yang District, Beijing, 100022 CN;

Jianjun Yang, a citizen of China, residing at Jiarun B2304, Guangshun Nan Street, Chaoyang District, Beijing, 100102, CN;

Gang Xu, a citizen of China, residing at No. 11 Guanghe Nanli 2 Tiao, Shuangjing, Chaoyang District, Beijing, 100022, CN;

and

Feng Feng, a citizen of China, residing at Room 901, Unit 1, Building No. 287, Furong Yuan, Tongzhou District, Beijing, CN;

Has/have invented certain new and useful improvements in

COMPUTING SYSTEMS, TOOLS, AND METHODS FOR SIMULATING WELLBORE DEPARTURE

as described and set forth in application for Letters Patent of the United States of America, filed with the United States Patent and Trademark Office on December 29, 2014, Serial No. 14/584,424, (Docket No. IS13.3936-US-NP). **This assignment is effective as of December 29, 2014.**

AND WHEREAS, the "COMPANIES", listed in **Schedule A**, are desirous of acquiring or confirming their acquisition of the entire right, title and interest in and to said invention, inventions or improvements, and in and to said application, and in and to any and all patents, both of the United States and of all foreign countries, that may be obtained therefore **as outlined in Schedule A**;

NOW, THEREFORE, TO ALL WHOM IT MAY CONCERN, BE IT KNOWN, that the undersigned Inventors, for good and valuable considerations, the receipt and sufficiency of which hereby acknowledge, have sold, assigned, transferred and conveyed, and by this assignment do sell, assign, transfer and convey, unto said COMPANIES, their successors and assigns, the entire right, title and interest throughout the world, in and to the above-described invention, inventions or improvements described or set forth in said application, in any form or embodiment thereof, and in and to said application, and in and to any applications filed in any foreign country based thereon, including the right to file foreign applications under the

provisions of any convention or treaty; and in and to any confirmation, divisional, continuation, continuation-in-part, or substitute application which may be filed on said invention, inventions or improvements in the United States or in any foreign country; and in and to any and all patents, certificates, utility models, reissues, extensions, additions or confirmations thereof which may be granted in the United States or in any foreign country upon said invention, inventions or improvements,

TO HAVE AND TO HOLD the same to the full end of the term or terms for which any and all such United States and foreign patents and grants may be issued on said invention, inventions or improvements.

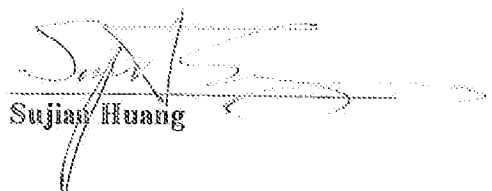
AND said Inventors do hereby authorize and request the issuing authority to issue any and all of said United States and foreign patents on said application or applications to said **COMPANIES**, their successors and assigns, as the assignee of the entire right, title and interest in and to the same, for the sole use and benefit of said **COMPANIES**, their successors and assigns.

AND said Inventors do hereby covenant and warrant that said Inventors have full right to convey the entire right, title and interest herein assigned free and clear of all licenses, encumbrances and liens whatsoever, and that no said Inventors has executed and will execute any instruments in conflict herewith.

AND said Inventors, for the conditions aforesaid, do hereby covenant and agree to and with the said **COMPANIES**, their successors and assigns, that each Inventor, his or her executors, administrators, or other personal representatives, shall and will do all lawful acts and things, make all rightful oaths, and make, execute and deliver any and all other instruments in writing, and any and all further applications, papers, powers, affidavits, assignments, disclaimers and other documents, which in the opinion of counsel for said **COMPANIES**, their successors and assigns, may be required or necessary in this or in any foreign country more effectually to secure to and vest in said **COMPANIES**, their successors and assigns, the entire right, title and interest in and to said invention, inventions or improvements, application or applications, patents, rights, titles, benefits, privileges, and advantages hereby sold, assigned, confirmed, transferred and conveyed.

WITNESSED:

IN WITNESS WHEREOF I, Sujian Huang, have hereunto set my hand and seal this 5 day
of February, 2015.


Sujian Huang

BE IT KNOWN that Sujian Huang, is to me known to be the individual described in the foregoing assignment, that on the aforementioned date, I was personally present and did see him sign and execute the foregoing assignment; and, that he did acknowledge to me that he executed the same as his free act and deed for the uses and purposes therein set forth.

Gao Dan
Witness

Bldg G.T. International
Center Jia 3rd Yong An Dong
Li Jian Wai Ave ChaoYang
Beijing, China
Post Office Address

Rachel Ren
Witness

962nd Shoucheng Center,
36th Guang An Road
ChaoYang, Beijing
China
Post Office Address

WITNESSED:

IN WITNESS WHEREOF I, **Xinghan Liu**, have hereunto set my hand and seal this 22 day
of January, 2015.

Xinghan Liu
Xinghan Liu

BE IT KNOWN that **Xinghan Liu**, is to me known to be the individual described in the foregoing assignment, that on the aforementioned date, I was personally present and did see him sign and execute the foregoing assignment; and, that he did acknowledge to me that he executed the same as his free act and deed for the uses and purposes therein set forth.

Feng Feng
Witness

at FL10, Building B. Jia3 Yang
An Dong Li, Jian Guo Men Wai Ave.
Chao Yang District, Beijing, 100022, CN

Post Office Address

Gang XU
Witness

FL10, Building B. Jia3
Yong An Dong Li, Jian Guo Men Wai
Ave. Chao Yang District,
Beijing 100022 CN
Post Office Address

WITNESSED:

IN WITNESS WHEREOF I, **Jianjun Yang**, have hereunto set my hand and seal this 22 day of Jan., 2015.

Jianjun Yang
Jianjun Yang

BE IT KNOWN that **Jianjun Yang**, is to me known to be the individual described in the foregoing assignment, that on the aforementioned date, I was personally present and did see him sign and execute the foregoing assignment; and, that he did acknowledge to me that he executed the same as his free act and deed for the uses and purposes therein set forth.

Rachel Ren
Witness

Bio* G.7. International
Center, YongAnDongLi,
Jianwai, Beijing.

Post Office Address

Xinghan Liu
Witness

Bio* G.7. International
Center, YongAnDongLi,
Jianwai, Beijing.

Post Office Address

WITNESSED:

IN WITNESS WHEREOF I, **Gang Xu**, have hereunto set my hand and seal this 22 day of January, 2015.

Gang Xu
Gang Xu

BE IT KNOWN that **Gang Xu**, is to me known to be the individual described in the foregoing assignment, that on the aforementioned date, I was personally present and did see him sign and execute the foregoing assignment; and, that he did acknowledge to me that he executed the same as his free act and deed for the uses and purposes therein set forth.

Xinghan Liu
Witness

F210, Building B, Jia3, Yong
An Dong Li, Jian Guo Men Wai Ave.
Chao Yang District, Beijing

Post Office Address

Feng Feng
Witness

F210, Building B, Jia3,
Yong An Dong Li, Jian Guo Men Wai Ave.
Chao Yang District, Beijing, 100022, CN

Post Office Address

WITNESSED:

IN WITNESS WHEREOF I, **Feng Feng**, have hereunto set my hand and seal this 22 day of January, 2015.

Feng Feng
Feng Feng

BE IT KNOWN that **Feng Feng**, is to me known to be the individual described in the foregoing assignment, that on the aforementioned date, I was personally present and did see him sign and execute the foregoing assignment; and, that he did acknowledge to me that he executed the same as his free act and deed for the uses and purposes therein set forth.

Gang Xu
Witness
FL10, Building B, Jia 3,
Yong An Dong Li, Jian Guo Men
Wai Ave., Chao Yang District
Beijing, 100022, CN
Post Office Address

Xinghan Lin
Witness
FL10, Building B, Jia 3,
Yong An Dong Li, Jian Guo Men
Wai Ave. Chao Yang District
Beijing, 100022, CN
Post Office Address

**Schedule A
“COMPANIES”**

SMITH INTERNATIONAL, INC.

Corporation of: United States of America

Located at: 1310 Rankin Road, Houston, TX 77073 U.S.A.

Assignee for applications in: United States of America

SCHLUMBERGER CANADA LIMITED

Corporation of: Canada

Located at: 125 – 9 Avenue SE, Calgary, Alberta T2G 0P6

Assignee for applications in: Canada

SERVICES PETROLIERS SCHLUMBERGER

Corporation of: France

Located at: 42 rue Saint Dominique, 75007 Paris, France

Assignee for applications in: France

SCHLUMBERGER HOLDINGS LIMITED

Corporation of: British Virgin Islands

Located at: P.O. Box 71, Craigmuir Chambers, Road Town, 1110 Tortola, British Virgin Islands

Assignee for applications in: Japan, The Netherlands, United Kingdom

PRAD RESEARCH AND DEVELOPMENT LIMITED

Corporation of: British Virgin Islands

Located at: P.O. Box 71, Craigmuir Chambers, Road Town, 1110 Tortola, British Virgin Islands

Assignee for applications in: Angola, Bahrain, Bangladesh, Benin, Cambodia, Cameroon, Chad, China, Congo, Gabon, Ghana, Guinea-Bissau, India, Ivory Coast, Jordan, Libya, Mauritania, Morocco, Mozambique, Myanmar, Namibia, Nigeria, Philippines, Senegal, Sudan, Syria, Taiwan, Togo, UAE, Vietnam, Zaire.

SCHLUMBERGER TECHNOLOGY B.V.

Corporation of: the Netherlands

Located at: Parkstraat 83-89, 2514 JG The Hague, The Netherlands

Assignee for applications in: GCC and all other countries not otherwise listed.