

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
 Stylesheet Version v1.2

EPAS ID: PAT3123792

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT	
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT	
<b>CONVEYING PARTY DATA</b>		
	<b>Name</b>	<b>Execution Date</b>
	KAI HSU	11/18/2014
	ADRIAAN GISOLF	11/18/2014
	YOUXIANG ZUO	11/19/2014
	YONG CHANG	11/18/2014
	BEATRIZ E. BARBOSA	11/24/2014
<b>RECEIVING PARTY DATA</b>		
<b>Name:</b>	SCHLUMBERGER TECHNOLOGY CORPORATION	
<b>Street Address:</b>	300 SCHLUMBERGER DRIVE	
<b>City:</b>	SUGAR LAND	
<b>State/Country:</b>	TEXAS	
<b>Postal Code:</b>	77478	
<b>PROPERTY NUMBERS Total: 1</b>		
<b>Property Type</b>	<b>Number</b>	
<b>Application Number:</b>	14534813	
<b>CORRESPONDENCE DATA</b>		
<b>Fax Number:</b>		
<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>		
<b>Email:</b>	kdumas-scarber@slb.com	
<b>Correspondent Name:</b>	KRISTINE DUMAS-SCARBER	
<b>Address Line 1:</b>	10001 RICHMOND AVENUE	
<b>Address Line 2:</b>	ROOM 4720	
<b>Address Line 4:</b>	HOUSTON, TEXAS 77042	
<b>ATTORNEY DOCKET NUMBER:</b>	IS13.4426-US-NP	
<b>NAME OF SUBMITTER:</b>	KRISTINE DUMAS-SCARBER	
<b>SIGNATURE:</b>	/KRISTINE DUMAS-SCARBER/	
<b>DATE SIGNED:</b>	11/26/2014	
<b>Total Attachments: 8</b>		
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source=IS134426USNP\_20141126\_Signed\_Assignment#page8.tif

### Assignment

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

• **Kai Hsu**, a citizen of the United States of America, residing at 4835 Durham Lane, Sugar Land, TX 77479, USA;

• **Adriaan Gisolf**, a citizen of the Netherlands, residing at Houston, TX, USA;

• **Youxiang Zuo**, a citizen of Canada, residing at 6305 Widmer Court, Burnaby, BC, V5E 4E3, CA;

• **Yong Chang**, a citizen of the United States of America, residing at 4710 Norsworthy Dr., Sugar Land, TX 77479, USA;

and

**Beatriz E. Barbosa**, a citizen of Colombia, residing at 5359 Fairdale Ln., Houston, TX 77056, USA;

Has/have invented certain new and useful improvements in

### SYSTEMS AND METHODS FOR FORMATION FLUID SAMPLING

as described and set forth in an Application for Letters Patent of the United States of America, filed with the United States Patent and Trademark Office on November 6, 2014, Serial No. 14/534,813, (Docket No. IS13.4426-US-NP). **This assignment is effective as of November 6, 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.

IN WITNESS WHEREOF I, **Kai Hsu**, have hereunto set my hand and seal this 18<sup>th</sup> day of November, 2014.

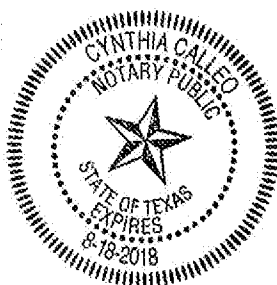
Kai Hsu  
Kai Hsu

STATE OF TEXAS

COUNTY OF FORT BEND

BEFORE ME this 18 day of Nov, 2014, personally appeared **Kai Hsu**, to me known to be the person who is described in and who executed the foregoing assignment instrument and acknowledged to me that he executed the same of his own free will for the purpose therein expressed.

Seal



Cynthia Calleo  
Notary Public

IN WITNESS WHEREOF I, **Adriaan Gisolf**, have hereunto set my hand and seal this  
18 day of Nov, 2014.

  
\_\_\_\_\_  
**Adriaan Gisolf**

STATE OF TEXAS

COUNTY OF FORT BEND

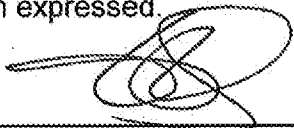
BEFORE ME this 18 day of Nov, 2014, personally appeared **Adriaan Gisolf**, to  
me known to be the person who is described in and who executed the foregoing assignment  
instrument and acknowledged to me that he executed the same of his own free will for the  
purpose therein expressed.

Seal



  
\_\_\_\_\_  
Notary Public

Sworn before me at the City of Burnaby,  
Province of British Columbia, this 19 day of  
November, 2014, personally appeared  
Youxiang Zuo, known to be the person who  
is described in and who executed the  
foregoing assignment instrument and  
acknowledged to me that he executed the  
same of his own free will for the purpose  
therein expressed.



Commissioner for Oaths in and for the  
Province of British Columbia, Canada

Lesley A. Russell  
Notary Public  
252 - 4820 Kingsway  
Burnaby, B.C. V5H 4P1  
Phone: 604-434-5936 Fax: 604-434-8500

IN WITNESS WHEREOF, I Youxiang  
Zuo have hereunto executed the said  
Assignment this 19 day of  
November, 2014

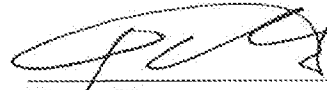


YOUXIANG ZUO

WITNESSED AS TO EXECUTION ONLY  
NO ADVICE SOUGHT OR GIVEN



IN WITNESS WHEREOF I, **Yong Chang**, have hereunto set my hand and seal this 18  
day of Nov, 2014.

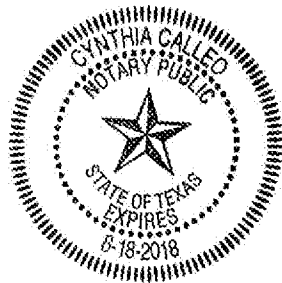
  
Yong Chang

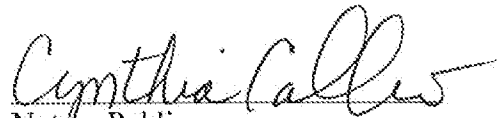
STATE OF TEXAS

COUNTY OF FORT BEND

BEFORE ME this 18 day of Nov, 2014, personally appeared **Yong Chang**, to  
me known to be the person who is described in and who executed the foregoing assignment  
instrument and acknowledged to me that he executed the same of his own free will for the  
purpose therein expressed.

Seal



  
Notary Public



IN WITNESS WHEREOF I, **Beatriz E. Barbosa**, have hereunto set my hand and seal this  
24 day of November, 2014.

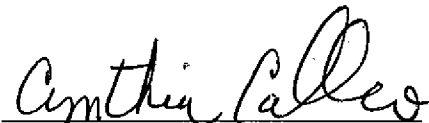
  
Beatriz E. Barbosa

STATE OF TEXAS

COUNTY OF HARRIS

BEFORE ME this 24 day of Nov, 2014, personally appeared **Beatriz E. Barbosa**, to me known to be the person who is described in and who executed the foregoing assignment instrument and acknowledged to me that he executed the same of his own free will for the purpose therein expressed.

Seal

  
Notary Public



**Schedule A**  
**“COMPANIES”**

**SCHLUMBERGER TECHNOLOGY CORPORATION**

Corporation of: United States of America

Located at: 300 Schlumberger Drive, Sugar Land, Texas 77478 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.