

PATENT ASSIGNMENT

Electronic Version v1.1
 Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT								
NATURE OF CONVEYANCE:	ASSIGNMENT								
CONVEYING PARTY DATA									
<table border="1"> <thead> <tr> <th>Name</th> <th>Execution Date</th> </tr> </thead> <tbody> <tr> <td>Andrew Colin Whittaker</td> <td>09/11/2013</td> </tr> <tr> <td>Albert Ballard Andrews</td> <td>08/30/2013</td> </tr> <tr> <td>Andrew Speek</td> <td>09/04/2013</td> </tr> </tbody> </table>		Name	Execution Date	Andrew Colin Whittaker	09/11/2013	Albert Ballard Andrews	08/30/2013	Andrew Speek	09/04/2013
Name	Execution Date								
Andrew Colin Whittaker	09/11/2013								
Albert Ballard Andrews	08/30/2013								
Andrew Speek	09/04/2013								
RECEIVING PARTY DATA									
Name:	Schlumberger Technology Corporation								
Street Address:	300 Schlumberger Drive								
City:	Sugar Land								
State/Country:	TEXAS								
Postal Code:	77478								
PROPERTY NUMBERS Total: 1									
<table border="1"> <thead> <tr> <th>Property Type</th> <th>Number</th> </tr> </thead> <tbody> <tr> <td>Application Number:</td> <td>13948105</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	13948105				
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Application Number:	13948105								
CORRESPONDENCE DATA									
Fax Number:	7136896372								
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>									
Phone:	81427595321								
Email:	kawashima1@exchange.slb.com								
Correspondent Name:	Schlumberger - COE								
Address Line 1:	WesternGeco 10001 Richmond Ave.								
Address Line 2:	Room 3028								
Address Line 4:	Houston, TEXAS 77042								
ATTORNEY DOCKET NUMBER:	IS13.3217USNP ASSIGNMENT								
NAME OF SUBMITTER:	Setsuko Kawashima								
Signature:	/Setsuko Kawashima/								

Date:

09/17/2013

Total Attachments: 6

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Assignment

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

Andrew Colin Whittaker, a citizen of the United Kingdom, residing at 103/7 Moo 6, Tambon Rawai, Bangkok, Thailand;

Albert Ballard Andrews, a citizen of the United States of America, residing at 133 Indian Hill Road, Wilton, Connecticut 06897 USA;

and

Andrew Speck, a citizen of the United States of America, residing at 84 Beacon Street Circle, Milton, MA 02186 USA;

Has/have invented certain new and useful improvements in

Zonal Compositional Production Rates in Commingled Gas Wells

as described and set forth in an application for Letters Patent of the United States of America, filed on July 22, 2013 under Attorney Docket No. IS13.3217 US NP assigned serial # 13/948105. **This assignment is effective as of July 22, 2013.**

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 TESTIMONY WHEREOF, I have duly executed this Assignment on this 11th day of September, 2013.

Signature 
Inventor's Name: Andrew Colin Whittaker

Witnesses:

Signature 
Name: MICHAEL RONALD PEARSON Date: 11-09-2013
Address: 103/B MOOG
TAMBON BAWAI
PHUKET 83130

Signature 
Name: LENY WINIAK HAYATI Date: 11-09-2013
Address: 103/B MOOG
TAMBON BAWAI
PHUKET 83130

IN TESTIMONY WHEREOF, I have duly executed this Assignment on this 30 day of August, 2013.

Signature *Albert Ballard Andrews*
Inventor's Name: Albert Ballard Andrews

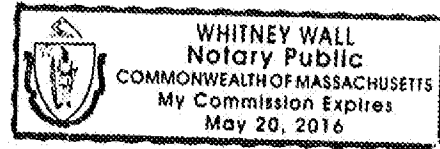
Witnesses:

State of Massachusetts
County of Middlesex

Date: August 30, 2013

Whitney Wall
Name:
Notary Public

SEAL



IN TESTIMONY WHEREOF, I have duly executed this Assignment on this 4th day of September, 2013.

Signature *Andrew Speck*
Inventor's Name: Andrew Speck

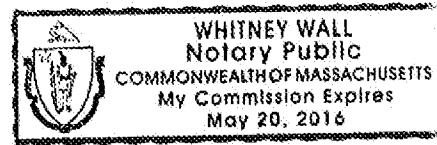
Witnesses:

State of Massachusetts
County of Middlesex

Date: September 4, 2013

Whitney Wall
Name:
Notary Public

SEAL



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: 525-3rd Avenue S.W., Calgary, Alberta, Canada T2P 0G4

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

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.

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.