

PATENT ASSIGNMENT

Electronic Version v1.1

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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>John Daniels</td><td>07/11/2007</td></tr><tr><td>George Waters</td><td>07/30/2007</td></tr><tr><td>Mark Norris</td><td>07/09/2007</td></tr><tr><td>J. Ernest Brown</td><td>07/06/2007</td></tr><tr><td>Ian D. Bryant</td><td>07/09/2007</td></tr><tr><td>Kevin Mauth</td><td>07/11/2007</td></tr><tr><td>Jason Swaren</td><td>07/09/2007</td></tr></tbody></table>	Name	Execution Date	John Daniels	07/11/2007	George Waters	07/30/2007	Mark Norris	07/09/2007	J. Ernest Brown	07/06/2007	Ian D. Bryant	07/09/2007	Kevin Mauth	07/11/2007	Jason Swaren	07/09/2007	
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RECEIVING PARTY DATA																	
Name:	Schlumberger Technology Corporation																
Street Address:	110 Schlumberger Drive																
Internal Address:	MD 1																
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>11769284</td></tr></tbody></table>	Property Type	Number	Application Number:	11769284													
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Application Number:	11769284																
CORRESPONDENCE DATA																	
Fax Number:	(281)285-7940																
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>																	
Phone:	2812854665																
Email:	ssitzmann@slb.com																
Correspondent Name:	David Cate																
Address Line 1:	110 Schlumberger Drive MD 1																
Address Line 4:	Sugar Land, TEXAS 77478																
ATTORNEY DOCKET NUMBER:	56.1076																

PATENT

500333873

REEL: 019689 FRAME: 0686

CH \$40.00 11769284

NAME OF SUBMITTER:

David Cate

Total Attachments: 8

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PATENT

REEL: 019689 FRAME: 0687

ASSIGNMENT

WHEREAS, we,

1. **John Daniels**, a citizen of the United States, whose post office address is 3128 Willshire Terrace, Oklahoma City, Oklahoma 73116, USA;
2. **George Waters**, a citizen of the United States, whose post office address is 247 NW 35th Street, Oklahoma City, Oklahoma 73118, USA;
3. **Mark Norris**, a citizen of the United Kingdom, whose post office address is Fernbank House, 2 Netherby Road, Cults, Aberdeen, AB15 9HL, UK;
4. **J. Ernest Brown**, a citizen of the United States, whose post office address is 2 Bosworth Road, Cambridge, Cambridgeshire, CB1 84G, UK;
5. **Ian D. Bryant**, a citizen of the United Kingdom, whose post office address is 2401 Elmen Street, Houston, Texas 77019, USA;
6. **Kevin Mauth**, a citizen of the United States, whose post office address is 1902 Mountain Aspen Lane, Kingwood, Texas 77032, USA;
7. **Jason Swaren**, a citizen of Canada, whose post office address is 231 Needleleaf Lane, Sugar Land, Texas 77479, USA

hereinafter referred to as the "Inventors" have invented certain new and useful improvements in

METHODS OF PRODUCING FLOW-THROUGH PASSAGES IN CASING , AND METHODS OF USING SUCH

for which we have described and set forth in an application for Letters Patent of the United States of America:

☒ for which an application for a United States patent was executed on June 27, 2007 under Docket No. 56.1076 and assigned Serial No. 11/769,284.

WHEREAS, **Schlumberger Technology Corporation**, hereinafter referred to as the "said COMPANY", a corporation duly organized, incorporated and existing under the laws of the State of Texas and having a place of business at 110 Schlumberger Drive, Sugar Land, Texas 77478 is desirous of acquiring or confirming its 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;

NOW, THEREFORE, TO ALL WHOM IT MAY CONCERN, BE IT KNOWN, that we the Inventors, for good and valuable considerations, the receipt and sufficiency of which we hereby acknowledge, have sold, assigned, transferred and conveyed, and by this assignment do sell, assign, transfer and convey, unto said COMPANY, its successors and assigns, the entire right, title and interest throughout the world, in and to the 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,

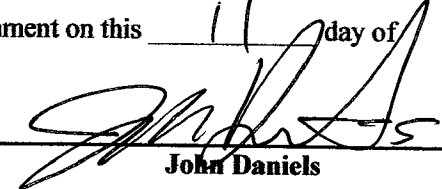
TO HAVE AND TO HOLD the same to the full end of the term or terms for which any and all such United States and foreign patents and grants may be issued on said invention, inventions or improvements.

AND WE 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 COMPANY, its 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 COMPANY, its successors and assigns.

AND WE DO HEREBY COVENANT AND WARRANT that we 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 we have not executed and will not execute any instruments in conflict herewith.

AND WE, FOR THE CONDITIONS AFORESAID, DO HEREBY COVENANT and agree to and with the said COMPANY, its successors and assigns, that we, my executors or administrators, will 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 COMPANY, its successors and assigns, may be required or necessary in this or in any foreign country more effectually to secure to and vest in said COMPANY, its 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.

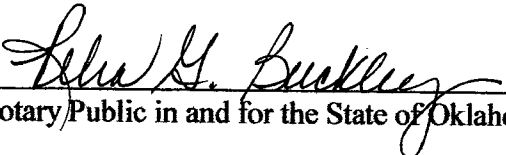
IN TESTIMONY WHEREOF, I have duly executed this Assignment on this 11 day of July, 2007.


John Daniels

STATE of Oklahoma §

COUNTY of Oklahoma §

Subscribed and sworn to before me this 11th day of July, 2007.


Notary Public in and for the State of Oklahoma

My Commission Expires: January 13, 2010



IN TESTIMONY WHEREOF, I have duly executed this Assignment on this 30th day of July, 2007.

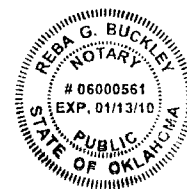
George Waters
George Waters

STATE of Oklahoma §
COUNTY of Oklahoma §

Subscribed and sworn to before me this 30th day of July, 2007.

Reba G. Buckley
Notary Public in and for the State of Oklahoma

My Commission Expires: Jan. 13, 2010



IN TESTIMONY WHEREOF, I have duly executed this Assignment on this _____ day of _____, 2007.

Mark Norris

Witnesses:

Signature _____
Name: _____ Date: _____
Address: _____

Signature _____
Name: _____ Date: _____
Address: _____

IN TESTIMONY WHEREOF, I have duly executed this Assignment on this _____ day of _____, 2007.

George Waters

STATE of Oklahoma §
 §
COUNTY of _____ §

Subscribed and sworn to before me this _____ day of _____, 2007.

Notary Public in and for the State of Oklahoma

My Commission Expires: _____

IN TESTIMONY WHEREOF, I have duly executed this Assignment on this
_____ 9th day of July _____, 2007.

Mark Norris

Witnesses:

Signature _____
Name: TOM O'Rourke
Address: ~~40 SOUTHWEST~~
19 ANDERSON DRIVE
ABERDEEN LK

Date: 9th July 2007

Signature _____
Name: KIRSTY LORRAINE MORTON
Address: 2 THE ORCHARD
SPITAL WALK
ABERDEEN, AB24 3HN

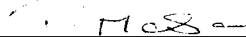
Date: 9 JULY 2007

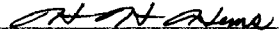
IN TESTIMONY WHEREOF, I have duly executed this Assignment on this
6th day of July, 2007.



J. Ernest Brown

Witnesses:

Signature  Date: 6 JULY - 2007
Name: PAMELA MASON
Address: 19 MILL LANE
HISTON CAMBS
CB4 9HW UK

Signature  Date: 6 July 2007
Name: HATSUE HEMS
Address: 3 PENARTH PLACE
CAMBRIDGE
CB3 9LU UK

IN TESTIMONY WHEREOF, I have duly executed this Assignment on this _____ day of _____, 2007.

Ian D. Bryant

STATE of Texas §
 §
COUNTY of Ft. Bend §

Subscribed and sworn to before me this _____ day of _____, 2007.

Notary Public in and for the State of Texas

My Commission Expires: _____

IN TESTIMONY WHEREOF, I have duly executed this Assignment on this _____ day of _____, 2007.

J. Ernest Brown

Witnesses:

Signature _____
Name: _____ Date: _____
Address: _____

Signature _____
Name: _____ Date: _____
Address: _____

IN TESTIMONY WHEREOF, I have duly executed this Assignment on this 9th day of July, 2007.

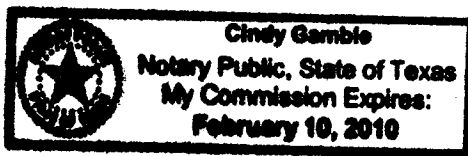
Ian D. Bryant

STATE of Texas §

§

COUNTY of Ft. Bend §

Subscribed and sworn to before me this 9th day of July, 2007.



Cindy Gamble
Notary Public in and for the State of Texas

My Commission Expires: Feb 10, 2010

IN TESTIMONY WHEREOF, I have duly executed this Assignment on this _____ day of _____, 2007.

Kevin Mauth

STATE of Texas §
 §
COUNTY of Ft. Bend §

Subscribed and sworn to before me this _____ day of _____, 2007.

Notary Public in and for the State of Texas

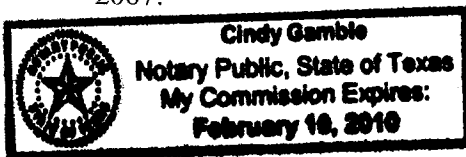
My Commission Expires: _____

IN TESTIMONY WHEREOF, I have duly executed this Assignment on this 9th day of JULY, 2007.

Jason Swaren
Jason Swaren

STATE of Texas §
 §
COUNTY of Ft. Bend §

Subscribed and sworn to before me this 9th day of July, 2007.



Cindy Gamble
Notary Public in and for the State of Texas

My Commission Expires: Feb 18, 2010

IN TESTIMONY WHEREOF, I have duly executed this Assignment on this 11th day of JULY, 2007

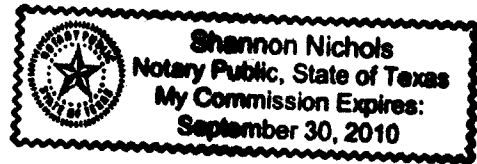
Kevin Mauth
Kevin Mauth

STATE of Texas §
 §
COUNTY of Harris §

Subscribed and sworn to before me this 11th day of July, 2007.

Shannon Nichols
Notary Public in and for the State of Texas

My Commission Expires: 9.30.10



IN TESTIMONY WHEREOF, I have duly executed this Assignment on this _____ day of _____, 2007.

Jason Swaren

STATE of Texas §
 §
COUNTY of Ft. Bend §

Subscribed and sworn to before me this _____ day of _____, 2007.

Notary Public in and for the State of Texas

My Commission Expires: _____