

PATENT ASSIGNMENT

Electronic Version v1.1
 Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT														
NATURE OF CONVEYANCE:	ASSIGNMENT														
CONVEYING PARTY DATA															
<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th style="width:70%;">Name</th> <th>Execution Date</th> </tr> </thead> <tbody> <tr> <td>Vivek Singh</td> <td>01/13/2009</td> </tr> <tr> <td>Bruce Fogelsong</td> <td>01/08/2009</td> </tr> <tr> <td>Sam Marcuccio</td> <td>01/08/2009</td> </tr> <tr> <td>Clinton Chapman</td> <td>01/13/2009</td> </tr> <tr> <td>Paul Thow</td> <td>01/15/2009</td> </tr> <tr> <td>Jim Brannigan</td> <td>01/08/2009</td> </tr> </tbody> </table>		Name	Execution Date	Vivek Singh	01/13/2009	Bruce Fogelsong	01/08/2009	Sam Marcuccio	01/08/2009	Clinton Chapman	01/13/2009	Paul Thow	01/15/2009	Jim Brannigan	01/08/2009
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Paul Thow	01/15/2009														
Jim Brannigan	01/08/2009														
RECEIVING PARTY DATA															
Name:	SCHLUMBERGER TECHNOLOGY CORPORATION														
Street Address:	300 SCHLUMBERGER DRIVE														
City:	SUGAR LAND														
State/Country:	TEXAS														
Postal Code:	77056														
PROPERTY NUMBERS Total: 1															
<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th style="width:30%;">Property Type</th> <th>Number</th> </tr> </thead> <tbody> <tr> <td>Application Number:</td> <td>12349684</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	12349684										
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CORRESPONDENCE DATA															
Fax Number:	(713)513-2056														
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>															
Phone:	713-513-3739														
Email:	sthompson9@slb.com														
Correspondent Name:	SCHLUMBERGER INFORMATION SOLUTIONS														
Address Line 1:	5599 SAN FELIPE														
Address Line 2:	SUITE 1700														
Address Line 4:	HOUSTON, TEXAS 77056-2722														
NAME OF SUBMITTER:	Bryan Galloway														

CH \$40.00 12349684

Total Attachments: 9

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Assignment

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

Vivek SINGH, a citizen of the United States of America, residing at 19 Buffalo Ridge Circle, Houston, Tx 77056;

Bruce FOGELSONG, a citizen of the United States of America, residing at 13035 Parkbrook Way, Sugar Land, Tx 77478;

Sam MARCUCCIO, a citizen of the United States of America, residing at 910 High Ridge Circle, Friendswood, Tx 77546;

Clinton CHAPMAN, a citizen of the United States of America, residing at 1306 Forrest Hollow, Missouri City, Tx 77459;

Paul THOW, a citizen of the United Kingdom, residing at 29715 Legends Green Dr., Spring, Tx 77386;

and

Jim BRANNIGAN, a citizen of the United States of America, residing at 13218 McClurd Court, Cypress, Tx 77429;

Have invented certain new and useful improvements in

REAL-TIME, BI-DIRECTIONAL DATA MANAGEMENT

as described and set forth in a United States Provisional Patent Application filed on January 14, 2008 under Serial Number 61/020975, and an application for Letters Patent of the United States of America, filed with the United States Patent and Trademark Office on January 7, 2009, Serial No.12/349684, (Docket No.94.0189).

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, **Vivek Singh**, have hereunto set my hand and seal this
13th day of JANUARY, 2009.

Vivek Singh
(signature of Inventor)

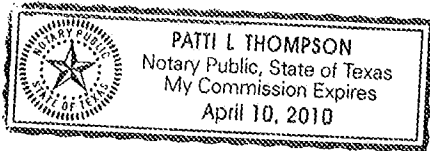
STATE OF TEXAS

COUNTY OF HARRIS

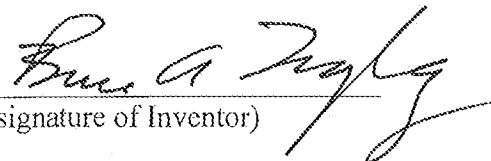
BEFORE ME this 13th day of January, 2009, personally appeared **Vivek Singh**, to me known to be the person who is described in and who executed the foregoing assignment instrument and acknowledged to me that he executed the same of his own free will for the purpose therein expressed.

Seal

Patti L Thompson
Notary Public



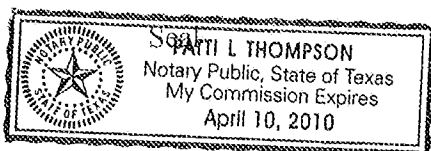
IN WITNESS WHEREOF I, **Bruce Fogelsong**, have hereunto set my hand and seal this 8th day of January, 2009.

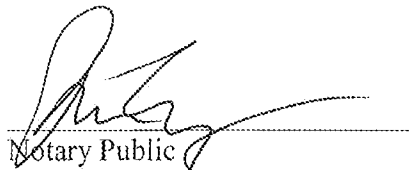

(signature of Inventor)

STATE OF TEXAS

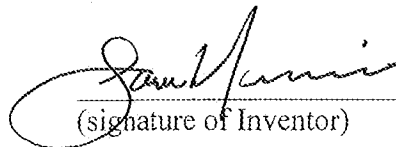
COUNTY OF HARRIS

BEFORE ME this 8th day of January, 2009, personally appeared **Bruce Fogelsong**, 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.




Notary Public

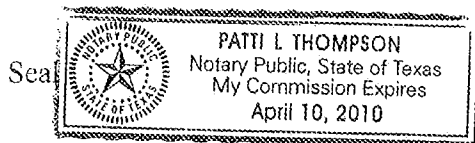
IN WITNESS WHEREOF I, **Sam Marcuccio**, have hereunto set my hand and seal this 8th day of January, 2009.


(signature of Inventor)

STATE OF TEXAS

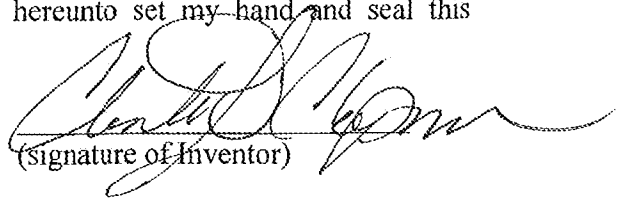
COUNTY OF HARRIS

BEFORE ME this 8th day of January, 2009, personally appeared **Sam Marcuccio**, 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.




Notary Public

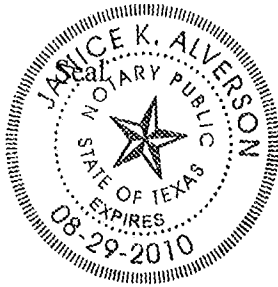
IN WITNESS WHEREOF I, **Clinton Chapman**, have hereunto set my hand and seal this 13th day of January, 2009.


(Signature of Inventor)

STATE OF TEXAS

COUNTY OF HARRIS

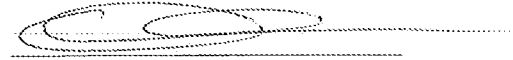
BEFORE ME this 13 day of January, 2009 personally appeared **Clinton Chapman**, to me known to be the person who is described in and who executed the foregoing assignment instrument and acknowledged to me that he executed the same of his own free will for the purpose therein expressed.




Notary Public

(Docket Number XCLASS1 94.0189)

IN WITNESS WHEREOF I, **Paul Thow**, have hereunto set my hand and seal this
15 day of JANUARY, 2009.

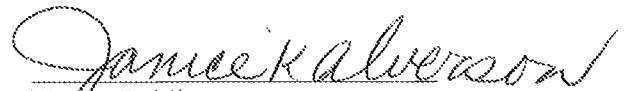

(signature of Inventor)

STATE OF TEXAS

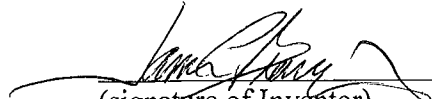
COUNTY OF HARRIS

BEFORE ME this 15 day of January, 2009, personally appeared **Paul Thow**,
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.




Notary Public

IN WITNESS WHEREOF I, **Jim Brannigan**, have hereunto set my hand and seal this 8th day of January, 2009.


(signature of Inventor)

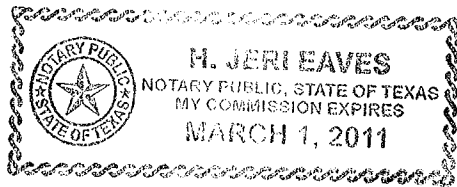
STATE OF TEXAS

COUNTY OF HARRIS

BEFORE ME this 8th day of January, 2009, personally appeared **Jim Brannigan** 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, a corporation duly organized, incorporated and existing under the laws of the State of Texas and having a place of business at 300 Schlumberger Drive, Sugar Land, Texas 77478 United States of America
as assignee for the United States

Schlumberger Canada Limited, a corporation duly organized, incorporated and existing under the laws of Canada and having a place of business at 525 – 3rd Ave. S.W., Calgary, Alberta, Canada T2P 0G4
as assignee for Canada

Services Petroliers Schlumberger, a corporation duly organized, incorporated and existing under the laws of France and having a place of business at 42, rue Saint Dominique, 75007 Paris, France
as assignee for France

Logined B.V., a corporation duly organized, incorporated and existing under the laws of the Netherlands and having a place of business at Gevers Deynootweg 61, 2586 BJ S Gravenhage, The Netherlands
as assignee for Albania, Algeria, Argentina, Australia, Austria, Azerbaijan, Bahrain, Brunei, Brazil, Bulgaria, Cameroon, Colombia, Czech Republic, Denmark, Ecuador, Egypt, Eurasia, EPO, Faroe Islands, Gabon, Germany, Great Britain, Greece, Gulf Cooperation Council, Hungary, Indonesia, Ireland, Israel, Italy, Japan, Kazakhstan, Korea, Kuwait, Libya, Lithuania, Malaysia, Mexico, Myanmar, Netherlands, New Zealand, Norway, Oman, Pakistan, Poland, Portugal, Qatar, Romania, Russia, Saudi Arabia, Slovakia, Slovenia, South Africa, Spain, Thailand, Trinidad, Tunisia, Turkey, Turkmenistan, Ukraine, United Arab Emirates, Uzbekistan, Venezuela and Yemen.

PRAD Research and Development Limited, a corporation organized and existing under and by the laws of the British Virgin Islands, having a place of business at P.O. Box 71, Craigmuir Chambers, Road Town, Tortola, British Virgin Islands
as assignee for all other countries not designated above.