

**PATENT ASSIGNMENT**

Electronic Version v1.1  
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<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT								
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT								
<b>CONVEYING PARTY DATA</b>									
<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>Wayne J. Phillips</td> <td>01/11/2007</td> </tr> <tr> <td>Christopher R. Chia</td> <td>02/24/2007</td> </tr> <tr> <td>Richard V.C. Wong</td> <td>02/21/2007</td> </tr> </tbody> </table>		Name	Execution Date	Wayne J. Phillips	01/11/2007	Christopher R. Chia	02/24/2007	Richard V.C. Wong	02/21/2007
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Wayne J. Phillips	01/11/2007								
Christopher R. Chia	02/24/2007								
Richard V.C. Wong	02/21/2007								
<b>RECEIVING PARTY DATA</b>									
<b>Name:</b>	Schlumberger Technology Corporation								
<b>Street Address:</b>	110 Schlumberger Drive								
<b>City:</b>	Sugar Land								
<b>State/Country:</b>	TEXAS								
<b>Postal Code:</b>	77478								
<b>PROPERTY NUMBERS Total: 1</b>									
<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>11616547</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	11616547				
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Application Number:	11616547								
<b>CORRESPONDENCE DATA</b>									
<b>Fax Number:</b>	(281)285-8821								
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>									
<b>Phone:</b>	2812858500								
<b>Email:</b>	prahmatdoost@slb.com								
<b>Correspondent Name:</b>	Schlumberger Technology Corporation								
<b>Address Line 1:</b>	200 Gillingham Lane, MD 200-9								
<b>Address Line 2:</b>	Office of IP Counsel								
<b>Address Line 4:</b>	Sugar Land, TEXAS 77478								
<b>ATTORNEY DOCKET NUMBER:</b>	19.0402								
<b>NAME OF SUBMITTER:</b>	James L. Kurka								

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

Wayne J. Phillips, citizen of the U.S.A., whose post office address is 5119 Redstart Street, Houston, TX 77036 USA

Christopher R. Chia, citizen of the United Kingdom, whose post office address is PO Box 2836, Al Khobar 31952 Saudi Arabia

Richard V.C. Wong, citizen of Canada, whose post office address is 10055 Westview Drive, Houston, TX 77055 USA

### WELLBORE STEERING SYSTEM AND METHOD

as described and set forth in an application for Letters Patent of the United States of America, filed on the 27<sup>th</sup> day of December, 2006 (19.0402).

WHEREAS each of the undersigned persons warrants that no person other than these undersigned persons are inventors of the above-described invention;

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.

SCHEDULE A  
"COMPANIES"

*SCHLUMBERGER CANADA LIMITED*

Corporation of: Canada

Located at: 525-3<sup>rd</sup> Avenue S.W., Calgary, Alberta, CA T2P 0G4

Assignee for applications in: Canada

*SCHLUMBERGER TECHNOLOGY CORPORATION*

Corporation of: USA

Located at: 110 Schlumberger Drive, Sugar Land, TX 77478 US

Assignee for applications in: USA

*SERVICES PETROLIERS SCHLUMBERGER*

Corporation of: France

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

Assignee for applications in: France

*SCHLUMBERGER HOLDINGS LIMITED*

Corporation of: the Netherlands

Located at: PO Box 71, Craigmuir Chambers, Road Town, Tortola, BVI

Assignee for applications in: Great Britain, Japan, Saudi Arabia, Netherlands, Netherlands Antilles

*SCHLUMBERGER TECHNOLOGY B.V.*

Corporation of: the Netherlands

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

Assignee for applications in: Albania, Argentina, Australia, Azarbaijan, Brunei, Bulgaria, Chad, Colombia, Czech Republic, Denmark, Equatorial Guinea, Faroe Islands, Germany, Greece, Hungary, Indonesia, Ireland, Israel, Italy, Kazakhstan, Korea, Kuwait, Lithuania, Malaysia, Mexico, Myanmar, New Zealand, Norway, Oman, Pakistan, Poland, Qatar, Romania, Russia, Slovakia, Slovenia, South Africa, Thailand, Trinidad, Tunisia, Turkey, Turkmenistan, Ukraine, Uzbekistan, Venezuela

*PRAD RESEARCH AND DEVELOPMENT N.V.*

Corporation of: the Netherlands Antilles

Located at: De Ruyterkade 62, Willemstad, Curacao, Netherlands Antilles

Assignee for applications in: Countries not Otherwise Listed

IN WITNESS WHEREOF, I, Wayne J. Phillips, have hereunto set my hand and seal this 11 day of January, 2007.

Wayne J. Phillips  
(signature of inventor)

(L. S.)

State of Texas )

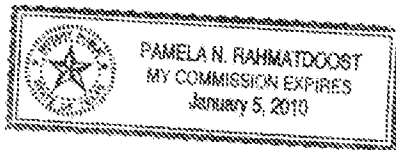
County of Fort Bend

BEFORE ME this 11<sup>th</sup> day of January, 2007, personally appeared Wayne J. Phillips, 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.

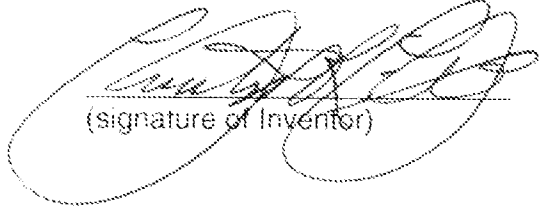
P. Rahmatdoost

Notary Public

SEAL

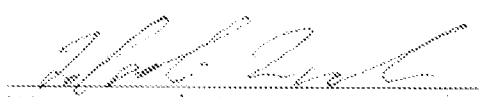


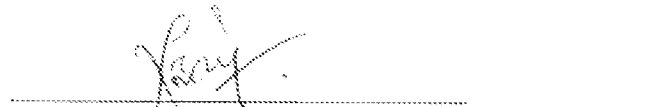
IN WITNESS WHEREOF, I, Christopher R. Chia, have hereunto set my hand and seal this 24<sup>th</sup> day of February, 2007.

  
(signature of Inventor)

WITNESSED:

BE IT KNOWN that Christopher R. Chia is to me known to be the individual described in the foregoing assignment, that on this 24<sup>th</sup> day of February, 2007, 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.

  
Witness TAKASHI MONDEN  
Schlumberger Middle East S.A.  
P.O. Box 2836, Al-Khobar  
31952, Saudi Arabia  
Post Office Address

  
Witness FAROOQ BANI  
Schlumberger Middle East S.A.  
P.O. Box 2836, Al-Khobar  
31952, Saudi Arabia  
Post Office Address

IN WITNESS WHEREOF, I, Richard V.C. Wong, have hereunto set my hand and seal this 21 day of February, 2007.

*Richard V.C. Wong*  
(signature of Inventor)

(L. S.)

State of Texas)

County of Fort Bend)

BEFORE ME this 21<sup>st</sup> day of February, 2007, personally appeared Richard V.C. Wong, 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.

*Pamela N. Rahmatooost*  
Notary Public

SEAL

