

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>Jiuping Chen</td><td>05/09/2007</td></tr><tr><td>Ping Zhang</td><td>06/08/2007</td></tr><tr><td>Michael Wilt</td><td>05/17/2007</td></tr><tr><td>Edward Nichols</td><td>06/08/2007</td></tr><tr><td>David Alumbaugh</td><td>06/08/2007</td></tr></tbody></table>		Name	Execution Date	Jiuping Chen	05/09/2007	Ping Zhang	06/08/2007	Michael Wilt	05/17/2007	Edward Nichols	06/08/2007	David Alumbaugh	06/08/2007
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RECEIVING PARTY DATA													
<table border="1"><tr><td>Name:</td><td>Schlumberger Technology Corporation</td></tr><tr><td>Street Address:</td><td>110 Schlumberger Drive</td></tr><tr><td>City:</td><td>Sugar Land</td></tr><tr><td>State/Country:</td><td>TEXAS</td></tr><tr><td>Postal Code:</td><td>77478</td></tr></table>		Name:	Schlumberger Technology Corporation	Street Address:	110 Schlumberger Drive	City:	Sugar Land	State/Country:	TEXAS	Postal Code:	77478		
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PROPERTY NUMBERS Total: 1													
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CORRESPONDENCE DATA													
Fax Number: (281)285-8821 <i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>													
Phone: 2812858500													
Email: kmorris2@slb.com													
Correspondent Name: Schlumberger Technology Corporation													
Address Line 1: 110 Schlumberger Drive													
Address Line 4: Sugar Land, TEXAS 77478													
ATTORNEY DOCKET NUMBER:	23.0663												
NAME OF SUBMITTER:	James L. Kurka												

CH \$40.00 11745181

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PATENT
REEL: 019411 FRAME: 0027

Total Attachments: 8

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ASSIGNMENT

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

Jiuping Chen, citizen of Canada, whose post office address is 975 King Drive, El Cerrito, CA 94530 USA;

Ping Zhang, citizen of Canada, whose post office address is 822 Washington Ave., Albany, CA 94706 USA;

Michael Wilt, citizen of the USA, whose post office address is 1706 Newell Ave., Walnut Creek, CA 94595 USA;

Edward Nichols, citizen of Canada, whose post office address is 85 Parnassus Drive, Berkeley, CA 94708 USA; and

David Alumbaugh, citizen of the USA, whose post office address is 1195 Cornell Ave., Berkeley, CA 94706 USA

Has/have invented certain new and useful improvements in

METHOD AND APPARATUS TO AUTOMATICALLY RECOVER WELL GEOMETRY FROM LOW FREQUENCY ELECTROMAGNETIC SIGNAL MEASUREMENTS

as described and set forth in an application for Letters Patent of the United States of America, filed by me on the 7th day(s) of May, 2007 (23 0663).

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: 525-3rd 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

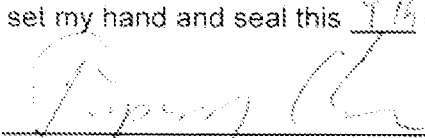
PRAD RESEARCH AND DEVELOPMENT N.V.

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, **Jiuping Chen**, have hereunto set my hand and seal this 9th day of May, 2007.

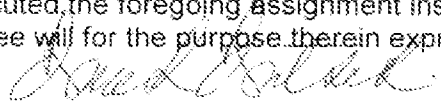

(signature of Inventor)

(L. S.)

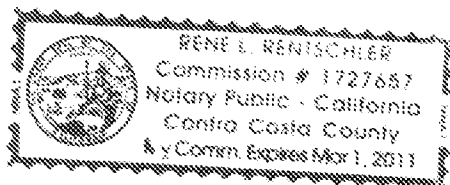
State of California)

County of Contra Costa)

BEFORE ME this 9 day of May, 2007, personally appeared Jiuping Chen, 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

SEAL



IN WITNESS WHEREOF, I, **Ping Zhang**, have hereunto set my hand and seal this 8 day of June 2007.

[Signature]
(signature of Inventor)

(L. S.)

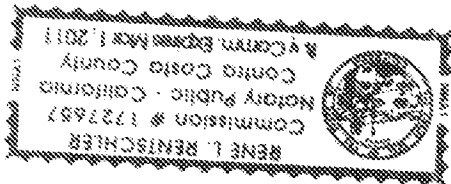
State of California)

County of Contra Costa)

BEFORE ME this 8 day of June, 2007, personally appeared Ping Zhang, 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.

[Signature]
Notary Public

SEAL



IN WITNESS WHEREOF, I, **Michael Wilt**, have hereunto set my hand and seal this 17 day of May, 2007.

Michael Wilt
(signature of Inventor)

WITNESSED:

BE IT KNOWN that Michael Wilt is to me known to be the individual described in the foregoing assignment, that on this 17 day of May, 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.

Donatella Astratti
Witness

Prabhita Sujith
Witness

DONATELLA ASTRATTI

PRABHITA SUJITH

Po Box 21

P.O. Box 9547

ABU DHABI

ABUDHABI

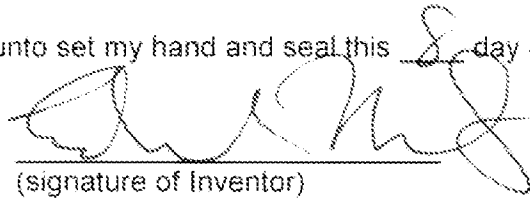
UAE

U.A.E.

Post Office Address

Post Office Address

IN WITNESS WHEREOF, I, **Edward Nichols**, have hereunto set my hand and seal this 8th day of June, 2007.

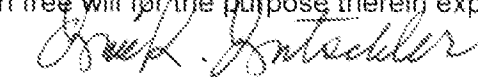

(signature of Inventor)

(L S)

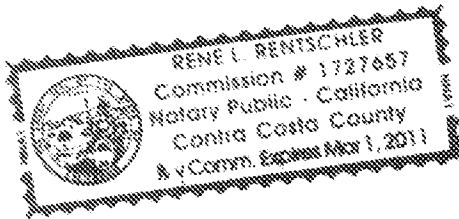
State of California)

County of Contra Costa

BEFORE ME this 8th day of JUNE, 2007, personally appeared Edward Nichols, 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

SEAL



IN WITNESS WHEREOF, I, **David Alumbaugh**, have hereunto set my hand and seal this 8 day of June, 2007.

David Alumbaugh
(signature of Inventor)

(L. S.)

State of California)

County of Contra Costa)

BEFORE ME this 8 day of June, 2007, personally appeared David Alumbaugh, 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.

Donna L. G. G. G. G.
Notary Public

