

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>David Alumbaugh</td><td>10/31/2006</td></tr><tr><td>Jiuping Chen</td><td>10/31/2006</td></tr><tr><td>Huntly F. Morrison</td><td>10/31/2006</td></tr></tbody></table>	Name	Execution Date	David Alumbaugh	10/31/2006	Jiuping Chen	10/31/2006	Huntly F. Morrison	10/31/2006	
Name	Execution Date								
David Alumbaugh	10/31/2006								
Jiuping Chen	10/31/2006								
Huntly F. Morrison	10/31/2006								
RECEIVING PARTY DATA									
Name:	Schlumberger Technology Corporation								
Street Address:	110 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>11548905</td></tr></tbody></table>	Property Type	Number	Application Number:	11548905					
Property Type	Number								
Application Number:	11548905								
CORRESPONDENCE DATA									
Fax Number:	(281)285-8821								
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>									
Phone:	2812857114								
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:	23.0674								
NAME OF SUBMITTER:	Brigitte L. Echols								
Total Attachments: 6 source=230674_Assignment_PTO#page1.tif source=230674_Assignment_PTO#page2.tif									

CH \$40.00 11548905

500199571

PATENT
REEL: 018682 FRAME: 0436

source=230674_Assignment_PTO#page3.tif
source=230674_Assignment_PTO#page4.tif
source=230674_Assignment_PTO#page5.tif
source=230674_Assignment_PTO#page6.tif

ASSIGNMENT

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

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

Jiuping Chen, citizen of Canada, whose post office address is 545 Pierce Street #1206, Albany, CA 94706 USA; and

Huntly F. Morrison, citizen of Canada, whose post office address is 11 Ajax Place, Berkeley, CA 94708 USA

Has/have invented certain new and useful improvements in

COMPUTING VALUES FOR SURVEYING A SUBTERRANEAN STRUCTURE BASED ON MEASUREMENTS ACCORDING TO DIFFERENT ELECTROMAGNETIC SURVEY TECHNIQUES

as described and set forth in an application for Letters Patent of the United States of America, filed by me on the 12th day(s) of October, 2006 as U.S. Serial No. 11/548,905 (23.0674).

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"

PRAD RESEARCH AND DEVELOPMENT N.V.

Corporation of: the Netherlands Antilles

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

Assignee for applications in: Algeria, Angola, Bahrain, Bangladesh, Bolivia, Brazil, Cameroon, Chad, Chile, China, Congo, Czech Republic, Ecuador, Egypt, Equatorial Guinea, Gabon, India, Iran, Iraq, Ivory Coast, Jordan, Libya, Morocco, Namibia, Niger, Nigeria, Pakistan, Papua New Guinea, Peru, Somalia, Sudan, Syria, Taiwan, Tunisia, Vietnam, Yemen, United Arab Emirates

SCHLUMBERGER CANADA LIMITED

Corporation of: Canada

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

Assignee for applications in: Canada

SCHLUMBERGER HOLDINGS LIMITED

Corporation of: the Netherlands

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

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

SCHLUMBERGER TECHNOLOGY CORPORATION

Corporation of: USA

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

Assignee for applications in: USA

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, Colombia, Czech Republic, Denmark, Faroe Islands, Germany, Greece, Hungary, Indonesia, Ireland, Israel, Italy, Kazakhstan, Korea, Kuwait, Lithuania, Malaysia, Mexico, New Zealand, Norway, Oman, Pakistan, Poland, Qatar, Romania, Russia, Slovakia, Slovenia, South Africa, Thailand, Trinidad, Tunisia, Turkey, Turkmenistan, Ukraine, Uzbekistan, Venezuela

SERVICES PETROLIERS SCHLUMBERGER

Corporation of: France

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

Assignee for applications in: France

IN WITNESS WHEREOF, I, **David Alumbaugh**, have hereunto set my hand and seal this 31 day of Oct. 2006, 2006.

David Alumbaugh
(signature of Inventor)

(L. S.)

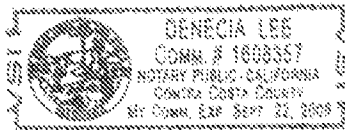
State of California)

County of Contra Costa)

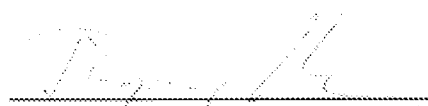
BEFORE ME this 31st day of October, 2006, personally appeared David Alumbaugh, to me known to be the person who is described in and who executed the foregoing assignment instrument and acknowledged to me that he executed the same of his own free will for the purpose therein expressed.

Denecia Lee
Notary Public

S E A L



IN WITNESS WHEREOF, I, **Jiuping Chen**, have hereunto set my hand and seal this 31 day of October, 2006.

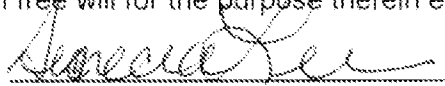

(signature of Inventor)

(L. S.)

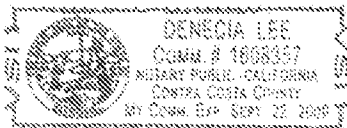
State of California)

County of CONTRACOSTA

BEFORE ME this 31st day of October, 2006, 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, **Huntly F. Morrison**, have hereunto set my hand and seal this 31 day of October, 2006.

Huntly F. Morrison
(signature of Inventor)

(L. S.)

State of California)

County of Contra Costa)

BEFORE ME this 31st day of October, 2006, personally appeared Huntly F. Morrison, 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.

Denecia Lee
Notary Public

S E A L

