

01-09-2002



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 Jd675 U.S. PTO
 10/028864

12/21/01

To the Assistant Commissioner for Patents: Please record the attached original documents or copy thereof.

1. NAME OF CONVEYING PARTY(IES):
 Christopher R. Chia
 Wayne J. Phillips
 Darren Lee Aklestad

12/21/01

No additional names attached

2. NAME AND ADDRESS OF RECEIVING PARTY(IES):
 Schlumberger Technology Corporation
 P.O. Box 2175
 Houston, Texas 77252-2175
 Street Address: 110 Schlumberger Drive
 Sugar Land, Texas 77478

No additional names & addresses attached

3. NATURE OF CONVEYANCE:

ASSIGNMENT EXECUTION DATE: December 21, 2001

4. APPLICATION NUMBER(S) OR PATENT NUMBER(S):

If this document is being filed with a new application, the execution date of the application is: December 21, 2001

A. PATENT APPLICATION NO.(s) filed:

B. PATENT NO.(s)

NO ADDITIONAL NUMBERS ATTACHED

5. NAME AND ADDRESS FOR CORRESPONDENCE:
 Schlumberger Technology Corporation
 Attn: Patent Counsel
 P. O. Box 2175
 Houston, Texas 77252-2175

 Street Address: 110 Schlumberger Drive
 Sugar Land, Texas 77478
 Our Customer Service No. is 23718.
6. TOTAL NUMBER OF APPLNS. & PATENTS INVOLVED 1.**7. TOTAL FEE (37 CFR.3.41) \$40.00**

CHARGE TO DEPOSIT ACCOUNT

8. DEPOSIT ACCOUNT NO. 19-0610
 (a duplicate of this page is attached)
9. STATEMENT AND SIGNATURE.

To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.

J.L. Jennie Salazar, Reg. No. 45,065 (Signature)

(Date)

Total number of pages including cover sheet, attachments and document: 4

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A S S I G N M E N T

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

CHIA, Christopher R., a citizen of the United Kingdom and Canada, whose post office address is 7171 Buffalo Speedway #419, Houston, Texas USA

PHILLIPS, Wayne J. a citizen of the United States, whose post office address is 5119 Redstart Street, Houston, TX 77035 USA

AKLESTAD, Darren Lee, a citizen of the United States, Whose post office address is 1214 Rabbs Crossing Drive, Sugar Land, TX 77479-6289 USA

have invented certain new and useful improvements in

METHOD FOR ESTIMATING A POSITION IN A WELLBORE

As described and set forth in an application for Letters Patent of the United States of America, Filed by me/us on the 21st day of December, 2001

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

AND 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 (P.O. Box 2175, Houston, Texas 77252-2175) 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 undersigned the 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 COMPANY, its 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,

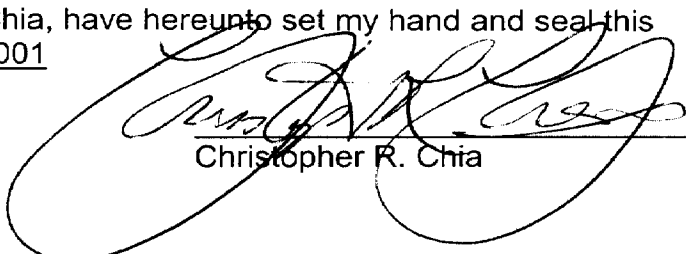
TO HAVE AND TO HOLD the same to the full end of the term or terms for which any and all such United States and foreign patents and grants may be issued on said invention, inventions or improvements.

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 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 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 COMPANY, its 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 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 WITNESS WHEREOF, I, Christopher R. Chia, have hereunto set my hand and seal this 21st day of December, 2001


Christopher R. Chia

(L. S.)

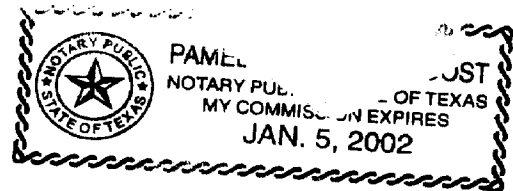
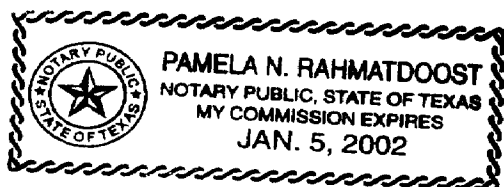
State of Texas)

County of Fort Bend)

BEFORE ME this 21st day of December, 2001, personally appeared Christopher R. Chia, 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, Wayne J. Phillips, have hereunto set my hand and seal this
21 day of December, 2001

Wayne J. Phillips
 Wayne J. Phillips

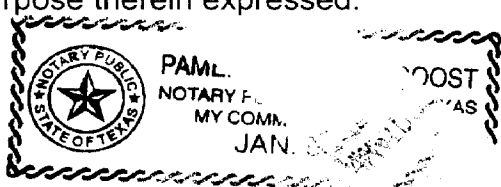
(L. S.)

State of Texas)

County of Fort Bend)

BEFORE ME this 21st day of December, 2001, 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.

SEAL



Pamela N. Rahmatdoost
 Notary Public

 PAMELA N. RAHMATDOOST
 NOTARY PUBLIC, STATE OF TEXAS
 MY COMMISSION EXPIRES
 JAN. 5, 2002

IN WITNESS WHEREOF, I, Darren Lee Aklestad, have hereunto set my hand and seal this
21 day of December, 2001

Darren Aklestad
 Darren Lee Aklestad

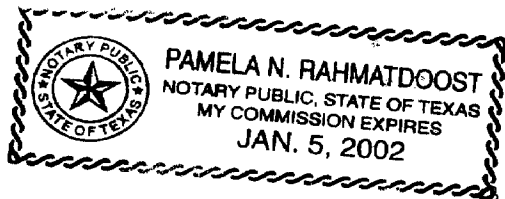
(L. S.)

State of Texas)

County of Fort Bend)

BEFORE ME this 21st day of December 2001, personally appeared Darren Lee Aklestad, 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



Pamela N. Rahmatdoost
 Notary Public