

05-29-2002



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

1. NAME OF CONVEYING PARTY(IES):

Dean M. Homan
 Gary A. Hazen
 Richard A. Rosthal
 David L. Smith
 Thomas D. Barber
 Paul Michael Ray

FIN

5.24.02

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: 04/03/02, 04/05/02 and 04/10/02

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:

A. PATENT APPLICATION NO.(s) 10/113,686

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.

Victor H. Segura
 Victor H. Segura (Signature)

9-May-02
 (Date)

Total number of pages including cover sheet, attachments and document: 6

05/28/2002 6TON11 00000184 190610 10113686

01 FC:581

40.00 CH

PATENT
REEL: 012924 FRAME: 0094

ASSIGNMENT

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

DEAN M. HOMAN, whose address is 16503 Ember Hollow Lane, Sugar Land, Texas 77478 USA;

GARY A. HAZEN, whose address is 7811 Westwind, Houston, Texas 77071 USA;

RICHARD A. ROSTHAL, whose address is 14735 Kellywood Lane, Houston, Texas 77079 USA;

DAVID L. SMITH, whose address is 12840 S. Kirkwood Road #1136, Stafford, Texas 77477 USA;

THOMAS D. BARBER, whose address is 6324 Westchester, Houston, Texas 77005 USA;

PAUL MICHAEL RAY, whose address is 3111 Stoney Brook Lane, Missouri City, Texas 77459 USA; and

JACQUES R. TABANOU, whose address is 3711 San Felipe, Apt. 4C, Houston, Texas 77027 USA

have invented certain new and useful improvements in

ANTENNA STRUCTURES FOR ELECTROMAGNETIC WELL LOGGING TOOLS

as described and set forth in an application for Letters Patent of the United States of America, filed by me/us on the 29th day of March, 2002 (File No. 24.0853).

WHEREAS each of the undersigned persons 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, DEAN M. HOMAN, have hereunto set my hand and seal this 5th day of April, 2002.

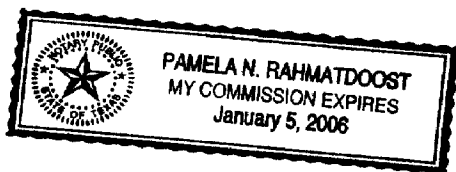

DEAN M. HOMAN

(L. S.)

State of Texas)

County of Fort Bend)

BEFORE ME this 5th day of April, 2002, personally appeared DEAN M. HOMAN, 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

S E A L

IN WITNESS WHEREOF, I, GARY A. HAZEN, have hereunto set my hand and seal this 10th
day of April, 2002.

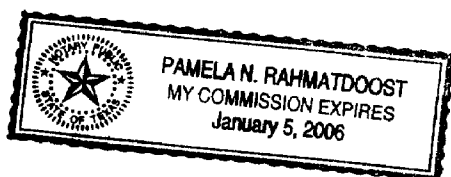
Gary A. Hazen
GARY A. HAZEN

(L. S.)

State of Texas)

County of Fort Bend)

BEFORE ME this 10th day of April, 2002, personally appeared GARY A. HAZEN, 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.



S E A L

Pam Rahmatdoost
Notary Public

IN WITNESS WHEREOF, I, RICHARD A. ROSTHAL, have hereunto set my hand and seal this 3rd
day of April, 2002.

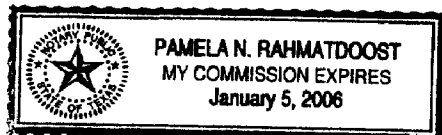
Richard A. Rosthal
RICHARD A. ROSTHAL

(L. S.)

State of Texas)

County of Fort Bend)

BEFORE ME this 3rd day of April, 2002, personally appeared RICHARD A. ROSTHAL, 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.



S E A L

Pam Rahmatdoost
Notary Public

IN WITNESS WHEREOF, I, DAVID L. SMITH, have hereunto set my hand and seal this
day of April, 2002.

3rd



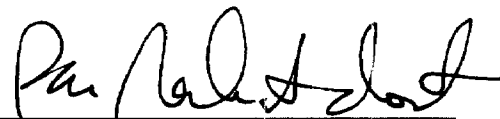
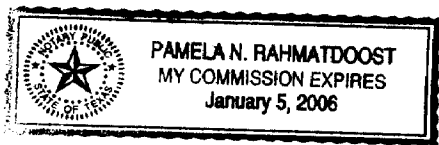
DAVID L. SMITH

(L. S.)

State of Texas)

County of Fort Bend)

BEFORE ME this 3rd day of April, 2002, personally appeared DAVID L. SMITH, 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

S E A L

IN WITNESS WHEREOF, I, THOMAS D. BARBER, have hereunto set my hand and seal this 10th
day of April, 2002.

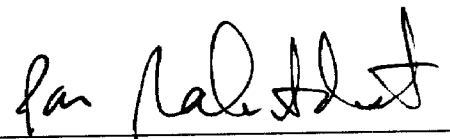
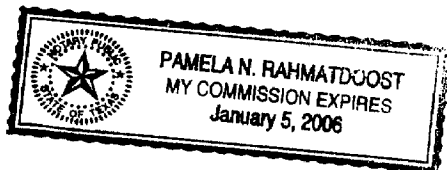

THOMAS D. BARBER

(L. S.)

State of Texas)

County of Fort Bend)

BEFORE ME this 10th day of April, 2002, personally appeared THOMAS D. BARBER, 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

S E A L

IN WITNESS WHEREOF, I, PAUL MICHAEL RAY, have hereunto set my hand and seal this 10 day of April, 2002.

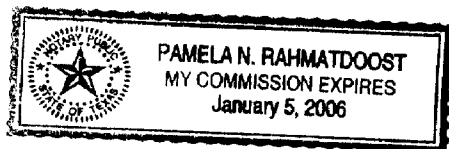

PAUL MICHAEL RAY

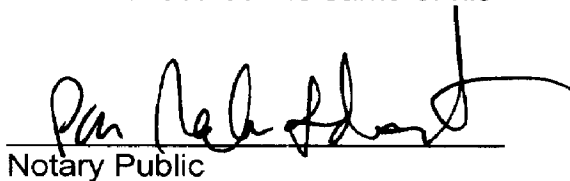
(L. S.)

State of Texas)

County of Fort Bend)

BEFORE ME this 10th day of April, 2002, personally appeared PAUL MICHAEL RAY, 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

S E A L

IN WITNESS WHEREOF, I, JACQUES R. TABANOU, have hereunto set my hand and seal this fifth day of April, 2002.

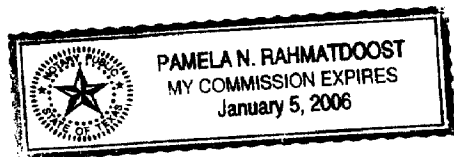

JACQUES R. TABANOU

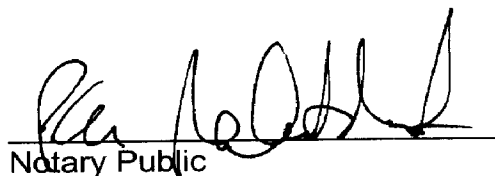
(L. S.)

State of Texas)

County of Fort Bend)

BEFORE ME this 5th day of April, 2002, personally appeared JACQUES R. TABANOU, 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

S E A L