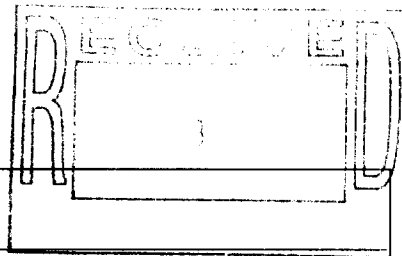


09-01-1999



101134286



To the Assistant Commissioner for Patents:

or copy thereof.

1. NAME OF CONVEYING PARTY(IES):

Peter C. Masak
David L. Malone

8-30-99

No additional names attached

2. NAME AND ADDRESS OF RECEIVING PARTY(IES):

Schlumberger Technology Corporation
110 Schlumberger Drive
Sugar Land, Texas 77478

No additional names & addresses attached

3. NATURE OF CONVEYANCE:

ASSIGNMENT EXECUTION DATE: August 4, 1999 and March 24, 1999

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)

B. PATENT NO.(s)

09/131,137

5. NAME AND ADDRESS FOR
CORRESPONDENCE:

Schlumberger Technology Corporation
Attn: Patent Counsel
200 Gillingham Lane MD 200-9
Sugar Land, Texas 77478

6. TOTAL NUMBER OF APPLNS. &
PATENTS INVOLVED 1

7. TOTAL FEE (37 CF4.3.41) \$40.00

CHARGE TO DEPOSIT ACCOUNT

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

09/01/1999 DC0ATES 00000017 190610 09131137

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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 Segura

Victor Segura, Reg. No. 44,329

(Signature)

26 Aug. 99

(Date)

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

ASSIGNMENT

WHEREAS, WE, Peter C. Masak, a citizen of Canada, whose post office address is 47 Sheffield Lane, West Chester, Pennsylvania 19380, USA; and David L. Malone, a citizen of the United States of America, whose post office address is 4511 Warwick Drive, Sugar Land, Texas 77479, USA, hereinafter referred to as the "Inventors", have invented certain new and useful improvements in, INVERSE VERTICAL SEISMIC PROFILING USING A MEASUREMENT WHILE DRILLING TOOL AS A SEISMIC SOURCE, as described and set forth in an application for Letters Patent of the United States of America, filed by me on the 7th day of August, 1998 (File No. 19.144DIV) and assigned the Serial No. 09/131,137.

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 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 WE, the Inventors, for good and valuable considerations, the receipt and sufficiency of which WE 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 my 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 WE 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 WE do hereby covenant and warrant that WE 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 WE have not executed and will not execute any instruments in conflict herewith.

AND WE, for the conditions aforesaid, do hereby covenant and agree to and with the said

COMPANY, its successors and assigns, that WE, our 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, WE the Inventors, have hereunto set our hand and seals.

Aug. 4th/1999
Date

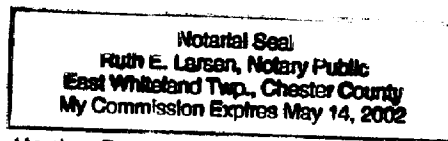
Peter C. Masak
Peter C. Masak

STATE OF Pennsylvania
COUNTY OF Chester) ss:
)

BEFORE ME this 4th day of August 19 99, personally appeared Peter C. Masak to me known to be the person who is described in and who executed the foregoing assignment instruments and acknowledged to me that he executed the same of his own free will for the purpose therein expressed.

Ruth E. Larsen
Notary Public

My Commission Expires:



Member, Pennsylvania Association of Notaries

3-24-99
Date

David L. Malone
David L. Malone

STATE OF Texas)
) ss:
COUNTY OF)

BEFORE ME this 24 day of March 1999, personally appeared David L. Malone to me known to be the person who is described in and who executed the foregoing assignment instruments and acknowledged to me that he executed the same of his own free will for the purpose therein expressed.

Sharon L. Carter
Notary Public

