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05-05-2005



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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):

Erik Vigen
Kenneth Welker
Svein Arne Frivik
Kambiz Iranpour

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

WesternGeco, L.L.C.
10001 Richmond Avenue
Houston, Texas 77042

No additional names attached

No additional names & addresses attached

3. NATURE OF CONVEYANCE:

ASSIGNMENT EXECUTION DATE: 14 March 2005, 15 March 2005, 23 March 2005, 30 March 2005

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

If this document is being filed with a new application, the filing date of the application is: Filed Concurrently

A. PATENT APPLICATION NO.(s) Filed Concurrently

B. PATENT NO.(s)

NO ADDITIONAL NUMBERS ATTACHED

5. NAME AND ADDRESS FOR CORRESPONDENCE:

WesternGeco, L.L.C.
Attn: Rebecca Tanis
P.O. Box 2469
Houston, Texas 77252-2469

6. TOTAL NUMBER OF APPLICATIONS & PATENTS INVOLVED 1

7. TOTAL FEE (37 CF4.3.41) \$40.00
CHARGE TO DEPOSIT ACCOUNT 50-1720

8. DEPOSIT ACCOUNT NO. 50-1720

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.

Jeffrey E. Griffin, Reg. No. 36,534 (Signature)

04/26/2005 (Date)

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

05/04/2005 DBYRNE 00000189 501720 11114789
01 FC:8021 (40.00 DA)

Assignment

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

ERIK VIGEN, citizen of NORWAY, residing at RINGASVEIEN 16, N-3500 HONEFOSS, NORWAY

KENNETH WELKER, citizen of THE UNITED STATES OF AMERICA, residing at SUNDVEIEN 17D, N-1397 NESOYA NORWAY

SVEIN ARNE FRIVIK, citizen of NORWAY, residing at EKRAVEIEN 42, N-0756 OSLO, NORWAY

KAMBIZ IRANPOUR, citizen of NORWAY, residing at AGMUND BOLTS VEI 46, 0664 OSLO, NORWAY

Has/have invented certain new and useful improvements in

METHOD AND APPARATUS FOR DETERMINATION OF SOUND VELOCITY IN WATER

as described and set forth in an application for Letters Patent of the United States of America, filed with the United States Patent and Trademark Office on _____, Serial No. _____ (Docket No. 14.0255-US).

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,

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.

WITNESSED:

IN WITNESS WHEREOF I, ERIK VIGEN, have hereunto set my hand and seal this
14 day of MARCH, 2005.

Erik Vigen
 (signature of Inventor)

BE IT KNOWN that ERIK VIGEN is to me known to be the individual described in the foregoing assignment, that on this _____ day of _____, 2005, 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.

Kjell Sæten
 Witness

KJELL SÆTEN

UNDELSTAD TERR. 39A

1387 ASKER

NORWAY

Post Office Address

Johan Hauan
 Witness

Johan Hauan

Eikeveien 7

1470 Lørenskog

Norway

Post Office Address

WITNESSED:

IN WITNESS WHEREOF I, KENNETH WELKER, have hereunto set my hand and seal this
23 day of March, 2005.

Kenneth Welker
 (signature of Inventor)

BE IT KNOWN that KENNETH WELKER is to me known to be the individual described in the foregoing assignment, that on this _____ day of _____, 2005, 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.

Andreas Hoco
 Witness

ANDREAS HOCO

ELGEFARET 25

1362 HOSLE

NORWAY

Post Office Address

Julie Marshall
 Witness

Sorgenfngate 10A

Oslo

0367

Norway

Post Office Address

WITNESSED:

IN WITNESS WHEREOF I, SVEIN ARNE FRIVIK, have hereunto set my hand and seal this
15 day of March, 2005.

Svein Arne Frivik
 (signature of Inventor)

BE IT KNOWN that SVEIN ARNE FRIVIK is to me known to be the individual described in the foregoing assignment, that on this _____ day of _____, 2005, 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.

Kristen Roberts
 Witness

Bill Rehn
 Witness

Township, WA
9878 0000

Underhill Town, NH
0387 Asker
Newry

Post Office Address

Post Office Address

WITNESSED:

IN WITNESS WHEREOF I, KAMBIZ IRANPOUR, have hereunto set my hand and seal this 23 day of MARCH, 2005.

Iranpour Kambiz
(signature of Inventor)

BE IT KNOWN that KAMBIZ IRANPOUR is to me known to be the individual described in the foregoing assignment, that on this 23 day of MARCH, 2005, 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.

Andreas Holo
Witness

ANDREAS HOLO

ELGEFARET 25

1362 HOSLE

NORWAY

Post Office Address

Julie Marshall
Witness

Sorgenfrigata 10A

Oslo

0367

Norway

Post Office Address

Schedule A
“COMPANIES”

WESTERNGECO, L.L.C.

Corporation of: Delaware, USA

Located at: 10001 Richmond Avenue, Houston, Texas USA

Assignee for applications in: The United States of America

WESTERNGECO CANADA LIMITED

Corporation of: Alberta, Canada

Located at: 237 – 4th Avenue Place, Calgary, Alberta, T2P 4X7 Canada

Assignee for applications in: Canada

SERVICES PETROLIERS SCHLUMBERGER

Corporation of: France

Located at: 42, rue Saint Dominique, F-75007 Paris, France

Assignee for applications in: France

WESTERNGECO SEISMIC HOLDINGS, LTD.

Corporation of: the British Virgin Islands

Located at: Citco Building, P.O. Box 662, Road Town, Tortola, British Virgin Islands

Assignee for applications in: All remaining states