

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
Stylesheet Version v1.2

EPAS ID: PAT2855645

| 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>TOSHIHIRO KINOSHITA</td><td>04/15/2014</td></tr><tr><td>NAOKI SAKIYAMA</td><td>04/15/2014</td></tr><tr><td>HITOSHI SUGIYAMA</td><td>04/15/2014</td></tr><tr><td>YUICHIRO WADA</td><td>04/15/2014</td></tr><tr><td>TOSHIMICHI WAGO</td><td>04/15/2014</td></tr><tr><td>AKITO SHIGEKANE</td><td>04/15/2014</td></tr></tbody></table> | Name | Execution Date | TOSHIHIRO KINOSHITA | 04/15/2014 | NAOKI SAKIYAMA | 04/15/2014 | HITOSHI SUGIYAMA | 04/15/2014 | YUICHIRO WADA | 04/15/2014 | TOSHIMICHI WAGO | 04/15/2014 | AKITO SHIGEKANE | 04/15/2014 | |
| Name | Execution Date | | | | | | | | | | | | | | |
| TOSHIHIRO KINOSHITA | 04/15/2014 | | | | | | | | | | | | | | |
| NAOKI SAKIYAMA | 04/15/2014 | | | | | | | | | | | | | | |
| HITOSHI SUGIYAMA | 04/15/2014 | | | | | | | | | | | | | | |
| YUICHIRO WADA | 04/15/2014 | | | | | | | | | | | | | | |
| TOSHIMICHI WAGO | 04/15/2014 | | | | | | | | | | | | | | |
| AKITO SHIGEKANE | 04/15/2014 | | | | | | | | | | | | | | |
| RECEIVING PARTY DATA | | | | | | | | | | | | | | | |
| Name: | Schlumberger Technology Corporation | | | | | | | | | | | | | | |
| Street Address: | 300 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>14253790</td></tr></tbody></table> | Property Type | Number | Application Number: | 14253790 | | | | | | | | | | | |
| Property Type | Number | | | | | | | | | | | | | | |
| Application Number: | 14253790 | | | | | | | | | | | | | | |
| CORRESPONDENCE DATA | | | | | | | | | | | | | | | |
| Fax Number: | (713)689-6372 | | | | | | | | | | | | | | |
| <i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent via US Mail.</i> | | | | | | | | | | | | | | | |
| Phone: | 81427595321 | | | | | | | | | | | | | | |
| Email: | kawashima1@exchange.slb.com | | | | | | | | | | | | | | |
| Correspondent Name: | SCHLUMBERGER - COE | | | | | | | | | | | | | | |
| Address Line 1: | WESTERNGECO 10001 RICHMOND AVE. | | | | | | | | | | | | | | |
| Address Line 2: | ROOM 3028 | | | | | | | | | | | | | | |
| Address Line 4: | HOUSTON, TEXAS 77042 | | | | | | | | | | | | | | |
| ATTORNEY DOCKET NUMBER: | IS13.4360USNP ASSIGNMENT | | | | | | | | | | | | | | |
| NAME OF SUBMITTER: | SETSUKO KAWASHIMA | | | | | | | | | | | | | | |
| SIGNATURE: | /Setsuko Kawashima/ | | | | | | | | | | | | | | |
| DATE SIGNED: | 05/14/2014 | | | | | | | | | | | | | | |
| Total Attachments: 9 | | | | | | | | | | | | | | | |

PATENT

502809051

REEL: 032891 FRAME: 0260

source=IS134360USNP_Assignment#page1.tif
source=IS134360USNP_Assignment#page2.tif
source=IS134360USNP_Assignment#page3.tif
source=IS134360USNP_Assignment#page4.tif
source=IS134360USNP_Assignment#page5.tif
source=IS134360USNP_Assignment#page6.tif
source=IS134360USNP_Assignment#page7.tif
source=IS134360USNP_Assignment#page8.tif
source=IS134360USNP_Assignment#page9.tif

Assignment

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

Toshihiro Kinoshita, a citizen of Japan, residing at 7-31-3-604 Kamitsuruma Honcho, Minami-ku, Sagamihara-shi, Kanagawa-ken 252-0318 Japan;

Naoki Sakiyama, a citizen of Japan, residing at 2-19-17-305 Kanumadai, Sagamihara-shi, Kanagawa-ken 229-0033 Japan;

Hitoshi Sugiyama, a citizen of Japan, residing at 7-6-11 Hashimoto Midori-ku, Sagamihara-shi, Kanagawa-ken, 252-0143 Japan;

Yuichiro Wada, a citizen of Japan, residing at 3-1112-10 Nakazato, Kiyose-shi, Tokyo, 204-0003 Japan ;

Toshimichi Wago, a citizen of Columbia, residing at New City Residence Kitazawa #302 1-15-5 Kitazawa, Setagaya-Ku Tokyo 155-0031 Japan;

and

Akito Shigekane, a citizen of Japan, residing at 12-26 Ogawa-cho, Fukuroi-shi, Shizuoka-ken, 437-0036 Japan;

Has/have invented certain new and useful improvements in

Apparatus for Monopole and Multipole Sonic Logging of A Downhole Formation

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 April 15, 2014, Serial No. 14/253790, (Docket No. IS13.4360 US NP). **This assignment is effective as of April 15, 2014.**

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.

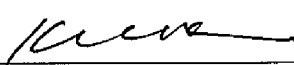
AND said Inventors, for the conditions aforesaid, do hereby covenant and agree to and with the said **COMPANIES**, their successors and assigns, that each Inventor, his or her executors, administrators, or other personal representatives, shall and will do all lawful acts and things, make all rightful 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.

IN WITNESS WHEREOF, I **Toshihiro Kinoshita**, have hereunto set my hand and seal this 15 day of April, 2014.

Signature of Inventor: 木下利尊
Toshihiro Kinoshita

BE IT KNOWN that **Toshihiro Kinoshita**, is to me known to be the individual described in the foregoing assignment, that on this 15th day of April, 2014 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.

Witnesses:


Witness: Setsuko Kawashima

Rira Tanaka
Witness: Rira Tanaka

5-3-25 Tamagawa-Gakuen
Machida-shi, Tokyo
194-0041 Japan
Post Office Address

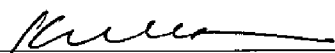
3-20-9-313 Nishi-Ikuta, Tama-ku,
Kawasaki-shi, Kanagawa-ken
214-0037 Japan
Post Office Address

IN WITNESS WHEREOF, I Naoki Sakiyama, have hereunto set my hand and seal this 15 day of April, 2014.

Signature of Inventor: 
Naoki Sakiyama

BE IT KNOWN that Naoki Sakiyama, is to me known to be the individual described in the foregoing assignment, that on this 15th day of April, 2014, 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.

Witnesses:


Witness: Setsuko Kawashima

5-3-25 Tamagawa-Gakuen
Machida-shi, Tokyo
194-0041 Japan
Post Office Address


Witness: Rira Tanaka

3-20-9-313 Nishi-Ikuta, Tama-ku,
Kawasaki-shi, Kanagawa-ken
214-0037 Japan
Post Office Address

IN WITNESS WHEREOF, I **Hitoshi Sugiyama**, have hereunto set my hand and seal this
15 day of April, 2014.

Signature of Inventor:


Hitoshi Sugiyama

BE IT KNOWN that **Hitoshi Sugiyama**, is to me known to be the individual described in the foregoing assignment, that on this 15th day of April, 2014, 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.

Witnesses:

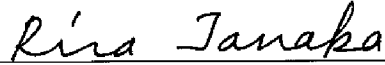

Witness: Setsuko Kawashima

5-3-25 Tamagawa-Gakuen

Machida-shi, Tokyo

194-0041 Japan

Post Office Address


Witness: Rira Tanaka

3-20-9-313 Nishi-Ikuta, Tama-ku,

Kawasaki-shi, Kanagawa-ken

214-0037 Japan

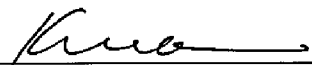
Post Office Address

IN WITNESS WHEREOF, I **Yuichiro Wada**, have hereunto set my hand and seal this
15th day of April, 2014.

Signature of Inventor: 和田 友雄 - 郎
Yuichiro Wada

BE IT KNOWN that **Yuichiro Wada**, is to me known to be the individual described in the foregoing assignment, that on this 15th day of April, 2014, 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.

Witnesses:


Witness: Setsuko Kawashima


Witness: Rira Tanaka

5-3-25 Tamagawa-Gakuen
Machida-shi, Tokyo
194-0041 Japan
Post Office Address

3-20-9-313 Nishi-Ikuta, Tama-ku,
Kawasaki-shi, Kanagawa-ken
214-0037 Japan
Post Office Address

IN WITNESS WHEREOF, I **Toshimichi Wago** have hereunto set my hand and seal this
15 day of April, 2014.

Signature of Inventor: Toshimichi Wago
Toshimichi Wago

BE IT KNOWN that **Toshimichi Wago**, is to me known to be the individual described in the foregoing assignment, that on this 15th day of April, 2014, 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.

Witnesses:

[Signature]
Witness: Setsuko Kawashima

Rira Tanaka
Witness: Rira Tanaka

5-3-25 Tamagawa-Gakuen
Machida-shi, Tokyo
194-0041 Japan
Post Office Address

3-20-9-313 Nishi-Ikuta, Tama-ku,
Kawasaki-shi, Kanagawa-ken
214-0037 Japan
Post Office Address

IN WITNESS WHEREOF, I Akito Shigekane, have hereunto set my hand and seal this
15 day of April, 2014.

Signature of Inventor: Akito Shigekane
Akito Shigekane

BE IT KNOWN that Akito Shigekane, is to me known to be the individual described in the foregoing assignment, that on this 15th day of April, 2014, 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.

Witnesses:

Setsuko Kawashima
Witness: Setsuko Kawashima

Rira Tanaka
Witness: Rira Tanaka

5-3-25 Tamagawa-Gakuen
Machida-shi, Tokyo
194-0041 Japan
Post Office Address

3-20-9-313 Nishi-Ikuta, Tama-ku,
Kawasaki-shi, Kanagawa-ken
214-0037 Japan
Post Office Address

Schedule A

“COMPANIES”

SCHLUMBERGER TECHNOLOGY CORPORATION

Corporation of: United States of America

Located at: 300 Schlumberger Drive, Sugar Land, Texas 77478 U.S.A.

Assignee for applications in: United States of America

SCHLUMBERGER CANADA LIMITED

Corporation of: Canada

Located at: 125 – 9th Avenue S.E., Calgary, Alberta, T2P 0G4 Canada

Assignee for applications in: Canada

SERVICES PETROLIERS SCHLUMBERGER

Corporation of: France

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

Assignee for applications in: France

SCHLUMBERGER HOLDINGS LIMITED

Corporation of: British Virgin Islands

Located at: P.O. Box 71, Craigmuir Chambers, Road Town, 1110 Tortola, British Virgin Islands

Assignee for applications in: Japan, The Netherlands, United Kingdom

PRAD RESEARCH AND DEVELOPMENT LIMITED

Corporation of: British Virgin Islands

Located at: P.O. Box 71, Craigmuir Chambers, Road Town, 1110 Tortola, British Virgin Islands

Assignee for applications in: Angola, Bahrain, Bangladesh, Benin, Cambodia, Cameroon, Chad, China, Congo, Gabon, Ghana, Guinea-Bissau, India, Ivory Coast, Jordan, Libya, Mauritania, Morocco, Mozambique, Myanmar, Namibia, Nigeria, Philippines, Senegal, Sudan, Syria, Taiwan, Togo, UAE, Vietnam, Zaire.

SCHLUMBERGER TECHNOLOGY B.V.

Corporation of: the Netherlands

Located at: Parkstraat 83-89, 2514 JG The Hague, The Netherlands

Assignee for applications in: GCC and all other countries not otherwise listed.