504278823 03/20/2017

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2

c Version v1.1 EPAS ID: PAT4325505

| SUBMISSION TYPE: | NEW ASSIGNMENT |
|-----------------------|----------------|
| NATURE OF CONVEYANCE: | ASSIGNMENT |

CONVEYING PARTY DATA

| Name | Execution Date |
|------------------|----------------|
| SHAHNAWAZ MOLLA | 04/16/2015 |
| FARSHID MOSTOWFI | 04/16/2015 |
| CEDRIC FLOQUET | 04/16/2015 |

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

| Property Type | Number |
|---------------------|----------|
| Application Number: | 15503305 |

CORRESPONDENCE DATA

Fax Number:

Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.

Email: kdumas-scarber@slb.com

Correspondent Name: KRISTINE DUMAS-SCARBER
Address Line 1: 10001 RICHMOND AVENUE

Address Line 2: ROOM 4720

Address Line 4: HOUSTON, TEXAS 77042

| ATTORNEY DOCKET NUMBER: | IS14.8515-US-PCT | |
|-------------------------|--------------------------|--|
| NAME OF SUBMITTER: | KRISTINE DUMAS-SCARBER | |
| SIGNATURE: | /KRISTINE DUMAS-SCARBER/ | |
| DATE SIGNED: | 03/20/2017 | |

Total Attachments: 6

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PATENT 504278823 REEL: 041628 FRAME: 0462

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PATENT REEL: 041628 FRAME: 0463

Assignment

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

Shahnawaz Molla, a citizen of Canada, residing 1033 Barnes Way, Edmonton, Alberta, T6W 1E4, Canada;

Farshid Mostowfi, a citizen of Canada, residing 615 Todd Link, Edmonton Alberta T6R3C5 Canada; and

Cedric Floquet, a citizen of France, residing Edmonton, Alberta, Canada;

Has/Have invented certain new and useful improvements in

METHOD AND APPARATUS FOR CHARACTERIZING INORGANIC SCALE FORMATION CONDITIONS EMPLOYING A MICROFLUIDIC DEVICE

as described and set forth in the International application filed on August 11, 2014 under Serial Number PCT/US2014/050538, (Docket No. IS14.8515-WO-PCT) this assignment is effective as of August 11, 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 consideration, the receipt and sufficiency of which are hereby acknowledged, 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,

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PATENT REEL: 041628 FRAME: 0464 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.

(Docket Number IS14.8515-WO-PCT)

| Sworn before me at the City of Edmonton,) | IN WITNESS WHEREOF, |
|--|-----------------------------------|
| Province of Alberta, this <u>(6</u> day of) | Shahnawaz Molla have hereunto |
| APRIL , 2015, personally appeared) | executed the said Assignment this |
| Shahnawaz Molla, known to be the person) | 16 day of APPIL , 2015 |
| 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. | |
| Estate Main (Ces) | // / M |
| Commissioner for Oaths in and for the | Melmary Malh |

CHRISTINA MARIA WAY
A Commissioner for Oaths in
and for the Province of Alberta
My Commission Expires
March 31, 20_17
#0742713

Province of Alberta, Canada

(Docket Number IS14.8515-WO-PCT)

| Sworn before me at the City of Edmonton, |) IN WITNESS |
|---|----------------|
| Province of Alberta, this 16 day of |) Mostowfi hav |
| APRIL , 2015, personally appeared |) said Assignn |
| Farshid Mostowfi, known to be the person |) April |
| 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. |) |
| \mathcal{O}_{Λ} |) |

Commissioner for Oaths in and for the

Province of Alberta, Canada

S WHEREOF, ! Farshid ve hereunto executed the ment this 16 day of ____, 2015

CHRISTINA MARIA WAY A Commissioner for Oaths in and for the Province of Alberta My Commission Expires
March 31, 20_17
#0742713

(Docket Number IS14.8515-WO-PCT)

| Sworn before me at the City of Edmonton, |) IN WITNESS WHEREOF, I Cedric |
|--|---|
| Province of Alberta, this 16 day of |) Floquet have hereunto executed the |
| APRIL , 2015, personally appeared |) said Assignment this <u>[6]</u> day o |
| Cedric Floquet, 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. |) |
| |) |
| ρ_{Λ} , ρ_{Λ} | ` |

Commissioner for Oaths/ in and for the Province of Alberta, Canada

CHRISTINA MARIA WAY A Commissioner for Oaths in and for the Province of Alberta My Commission Expires
March 31, 20_17
#0742713

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 – 9 Ayenue SE, Calgary, Alberta T2G 0P6

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.

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PATENT REEL: 041628 FRAME: 0469