

PATENT ASSIGNMENT COVER SHEET

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EPAS ID: PAT2579569

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>LUKE PERKINS</td> <td>07/13/2013</td> </tr> <tr> <td>BENJAMIN LEVITT</td> <td>07/16/2013</td> </tr> <tr> <td>PETER WRAIGHT</td> <td>06/03/2013</td> </tr> <tr> <td>ARTHUR D. LIBERMAN</td> <td>06/06/2013</td> </tr> </tbody> </table>		Name	Execution Date	LUKE PERKINS	07/13/2013	BENJAMIN LEVITT	07/16/2013	PETER WRAIGHT	06/03/2013	ARTHUR D. LIBERMAN	06/06/2013
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BENJAMIN LEVITT	07/16/2013										
PETER WRAIGHT	06/03/2013										
ARTHUR D. LIBERMAN	06/06/2013										
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>13830437</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	13830437						
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CORRESPONDENCE DATA											
Fax Number:	(713)689-2219										
Phone:	713-689-1137										
Email:	ncorona@slb.com										
<i>Correspondence will be sent via US Mail when the email attempt is unsuccessful.</i>											
Correspondent Name:	MIMI CORONA										
Address Line 1:	10001 RICHMOND AVENUE										
Address Line 2:	IP ADMINISTRATION CENTER OF EXCELLENCE										
Address Line 4:	HOUSTON, TEXAS 77042										
ATTORNEY DOCKET NUMBER:	IS11.0686-US-NP										
NAME OF SUBMITTER:	MIMI CORONA										

Signature:	/Mimi Corona/
Date:	10/16/2013
Total Attachments: 7 source=IS110686USNP_20131016_Executed-Assignment#page1.tif source=IS110686USNP_20131016_Executed-Assignment#page2.tif source=IS110686USNP_20131016_Executed-Assignment#page3.tif source=IS110686USNP_20131016_Executed-Assignment#page4.tif source=IS110686USNP_20131016_Executed-Assignment#page5.tif source=IS110686USNP_20131016_Executed-Assignment#page6.tif source=IS110686USNP_20131016_Executed-Assignment#page7.tif	

Assignment

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

Luke Perkins, a citizen of the United States of America, residing at 78 Edgemere Avenue, Plainsboro, NJ 08536, USA;

Benjamin Levitt, a citizen Canada, residing at 259 Shawmut Ave., #4, Boston, MA 02118, USA;

Peter Wraight, a citizen of the United States of America, residing at 10 Lilac Way, Skillman, NJ 08558, USA;

and

Arthur D. Liberman, a citizen of the United States of America, residing at 751 Chimalus Drive, Palo Alto, CA 94306, USA;

Has/have invented certain new and useful improvements in

ION SOURCE HAVING NEGATIVELY BIASED EXTRACTOR

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 March 14, 2013, Serial No. 13/830437, (Docket No. IS11.0686-US-NP). **This assignment is effective as of March 14, 2013.**

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,

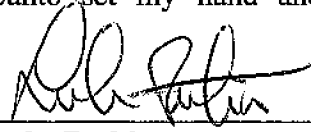
TO HAVE AND TO HOLD the same to the full end of the term or terms for which any and all such United States and foreign patents and grants may be issued on said invention, inventions or improvements.

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, **Luke Perkins**, have hereunto set my hand and seal this
13th day of JULY, 2013.



Luke Perkins

STATE OF New Jersey
COUNTY OF Mercer

BEFORE ME this 13th day of July, 2013, personally appeared **Luke Perkins**, 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.

Seal



Notary Public

Margaret Spells
I.D. 2248953
Notary Public of New Jersey
My Commission Expires April 17, 2015

IN WITNESS WHEREOF I, **Benjamin Levitt**, have hereunto set my hand and seal this
16th day of JULY, 2013.



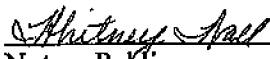
Benjamin Levitt,

STATE OF Massachusetts

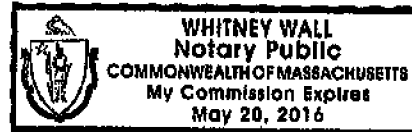
COUNTY OF Middlesex

BEFORE ME this 16th day of July, 2013, personally appeared **Benjamin Levitt**,
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.

Seal



Notary Public



IN WITNESS WHEREOF I, **Peter Wraight**, have hereunto set my hand and seal this 3rd day of June, 2013.

Peter Wraight
Peter Wraight

STATE OF New Jersey
COUNTY OF Mercer

BEFORE ME this 3rd day of June, 2013, personally appeared **Peter Wraight**, 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.

Seal

Margaret Spells
Notary Public

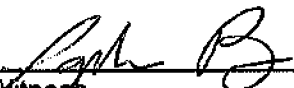
Margaret Spells
I.D. 2248953
Notary Public of New Jersey
My Commission Expires April 17, 2015

IN WITNESS WHEREOF, I, **Arthur D. Liberman**, have hereunto set my hand and seal this 6th day of June, 2013, 2013.


(Arthur D. Liberman)


WITNESSED:

BE IT KNOWN that **Arthur D. Liberman** is to me known to be the individual described in the foregoing assignment, that on this 6th day of JUNE, 2013, 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.


Witness

Sophie Beraznik
4251 23rd St
San Francisco, CA 94114

Post Office Address


Witness

Arielle Liberman
1207 Sanchez St
San Francisco, CA 94114

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: 525-3rd Avenue S.W., Calgary, Alberta, Canada T2P 0G4

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

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.

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.