06/19/2017 504419948

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT4466648

NATURE OF CONVEYANCE: Corrective Assignment to correct the FIRST AND SECOND ASSIGNOR EXECUTION DATES previously recorded on Reel 038386 Frame 0642.	SUBMISSION TYPE:
Assignor(s) hereby confirms the ASSIGNMENT OF ASSIGNORS INTEREST.	

CONVEYING PARTY DATA

Name	Execution Date
YI-QIAO SONG	06/18/2014
JEFFREY PAULSEN	05/13/2014
DONHEE HAM	09/09/2014
DONGWAN HA	09/12/2014

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

Property Type	Number
Application Number:	15032241

CORRESPONDENCE DATA

Fax Number: (203)323-1800

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.

Phone: (203) 323-1800

Email: pto@gordonjacobson.com **Correspondent Name:** GORDON & JACOBSON, P.C.

60 LONG RIDGE ROAD Address Line 1:

Address Line 2: SUITE 407

Address Line 4: STAMFORD, CONNECTICUT 06902

ATTORNEY DOCKET NUMBER:	SDR-152
NAME OF SUBMITTER:	JAY P. SBROLLINI
SIGNATURE:	/Jay P. Sbrollini/
DATE SIGNED:	06/19/2017

PATENT REEL: 042888 FRAME: 0854 504419948

Total Attachments: 11 source=Assignment1-Correction-SDR-152#page1.tif source=Assignment1-Correction-SDR-152#page2.tif source=Assignment1-Correction-SDR-152#page3.tif source=Assignment1-Correction-SDR-152#page4.tif source=Assignment1-Correction-SDR-152#page5.tif source=Assignment1-Correction-SDR-152#page6.tif source=Assignment1-Correction-SDR-152#page7.tif source=Assignment1-Correction-SDR-152#page8.tif source=Assignment1-Correction-SDR-152#page9.tif source=Assignment1-Correction-SDR-152#page10.tif source=Assignment1-Correction-SDR-152#page11.tif

PATENT REEL: 042888 FRAME: 0855

503800298 04/26/2016

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT3846945

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
YI-QIAO SONG	06/25/2015
JEFFREY PAULSEN	06/25/2015
DONHEE HAM	09/09/2014
DONGWAN HA	09/12/2014

RECEIVING PARTY DATA

Name:	SCHLUMBERGER TECHNOLOGY CORPORATION
Street Address:	300 SCHLUMBERGER DRIVE
City:	SUGAR LAND
State/Country:	TEXAS
Postal Code:	77478
Name:	PRESIDENT AND FELLOWS OF HARVARD COLLEGE
Street Address:	17 QUINCY STREET
City:	
City.	CAMBRIDGE
State/Country:	MASSACHUSETTS CAMBRIDGE

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	15032241

CORRESPONDENCE DATA

Fax Number: (203)323-1803

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.

Phone: 203-323-1800

Email: PTO@GORDONJACOBSON.COM
Correspondent Name: GORDON & JACOBSON, P.C.

Address Line 1: 60 LONG RIDGE ROAD

Address Line 2: SUITE 407

Address Line 4: STAMFORD, CONNECTICUT 06902

ATTORNEY DOCKET NUMBER: | SDR-152

PATENT REEL: 0**3**2886 FRAME: 08**5**2

503800298

NAME OF SUBMITTER:	JAY P. SBROLLINI	
SIGNATURE:	/Jay P. Sbrollini/	
DATE SIGNED:	04/26/2016	
Total Attachments: 7		
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PATENT REEL: 032886 FRAME: 0853

Assignment

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

Yi-Qiao Song, a citizen of the United States of America, residing at 78 Ridge Avenue, Newton, MA 02459, USA; and

Jeffrey Paulsen, a citizen of the United States of America, residing at 25 Kent St., Apt. #28, Brookline, MA 02446, USA;

Has/have invented certain new and useful improvements in

IC-BASED NMR SYSTEMS

as described and set forth in a United States Provisional Patent Application filed on October 28, 2013 under Serial Number 61/896464 (Docket No. IS13.3185-US-PSP). This assignment is effective as of October 28, 2013.

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, 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.

PATENT REEL: 032888 FRAME: 0858

ATTORNEY DOCKET NO.: IS13.3185-US-PSP Page 2 of 5

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.

PATENT REEL: 0**3**2886 FRAME: 06**59**

ATTORNEY DOCKET NO.: IS13,3185-US-PSP Page 3 of 5

WITNESSED:	
IN WITNESS WHEREOF I, Yi-Qiao Song , have of <u>June</u> , 2014.	e hereunto set my hand and seal this 18th day Vi-Qian Song
COMMONWEALTH OF MASSACHUSETTS COUNTY OF MIDDLESEX)))
On this 8 th day of June Notary Public, personally appeared, Yi-Qiao Sor of identification, which were personal whosi who signed the preceding or attached document me that the contents of the document are truthful and belief.	ing, proved to me through satisfactory evidence to be the person in my presence, and who swore or affirmed to
Seal	<u>Hhidury Mass</u> Notary Public
	WHITNEY WALL Notary Public COMMONWEALTH OF MASSACHUSETTS My Commission Expires May 20, 2016

ATTORNEY DOCKET NO.: IS13.3185-US-PSP Page 4 of 5

WITNESSED:	
IN WITNESS WHEREOF I, Jeffrey Paulsen, haday of May, 2014.	ave hereunto set my hand and seal this 13 th
COMMONWEALTH OF MASSACHUSETTS COUNTY OF MIDDLESEX)))
On this day of	, to be the person in my presence, and who swore or affirmed to
Seal	Hhitney Hall Notary Public
	WHITNEY WALL Notary Public COMMONWEALTHOF MASSACHUSETTS My Commission Expires May 20, 2016

ATTORNEY DOCKET NO.: IS13.3185-US-PSP

Page 5 of 5

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.

PATENT REEL: 082886 FRAME: 0862

ASSIGNMENT

For good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, I, the undersigned:

Donhee Ham and Dongwan Ha

(each hereafter "Assignor") hereby assign, sell, and transfer to:

President and Fellows of Harvard College 17 Quincy Street, Cambridge, Massachusetts 02138

(hereafter "Assignee") its successors and assigns, Assignor's entire right, title and interest throughout the world in and to any and all inventions for:

IC-Based NMR Systems

described in United States Patent Application No. 61/896,464 filed October 28, 2013, and in and to the aforesaid application(s), in any form or embodiment thereof, and in and to any application on any of the inventions filed in this and any foreign country, based thereon, including the right to file said applications, apply for patent rights, and claim priority under the provisions of any international convention or treaty; also the entire right, title and interest throughout the world in and to any and all patents or reissues or extensions thereof to be obtained in this or any foreign country upon any of the inventions and any divisional, continuation, or substitute applications which may be filed upon said invention or inventions in this or any foreign country; and the right to sue in its own name and recover damages for past infringement of any United States Letters Patent and foreign patent; and authorize and request the issuing authority to issue any and all patents on said application or applications to said Assignee or its successors and assigns.

For purposes of complying with foreign requirements, the above paragraph is intended to expressly grant all the recited rights and grants in China, Korea, and Japan.

Assignor hereby warrants that he/she has full right to convey his/her entire right, title and interest, both legal and equitable, in and to said inventions, free from all prior assignments, agreements, licenses, mortgages, security interests, or other encumbrances whatsoever; and

Assigner further agrees, without further payment or compensation by said Assignee or its successors and assigns, to communicate to said Assignee, its representatives or agents or its successors and assigns, any facts relating to said invention or inventions including evidence for interference purposes or for other legal proceedings, whenever requested; testify in any interference or other legal proceedings whenever requested; execute and deliver, on request, all lawful papers required to make any of the foregoing provisions effective; and generally do everything possible to aid said Assignee.

PATENT REEL: 0**3**2886 FRAME: 06**5**9 Patent Assignment HU Case 4823 Appl. No(s): 61/896,464

its representatives or agents, or its successors or assigns to secure, obtain and enforce proper patent protection for said invention or inventions in this and any foreign country.

Assignor authorizes Assignee or Assignee's representative to supply and/or to correct any errors or omissions in the patent/application information provided above including but not limited to said application serial number(s) and filing date(s), prior to or after recordation.

Assignor appoints Assignee, through its designee, as its attorney-in-fact to execute, in Assignor's name and on Assignor's behalf, any and all documents required to effectuate this Assignment, specifically including, but not limited to, those documents specified above and any necessary corrective assignments.

09/09/2014

1/2014

Date

Donhee Ham

Witnes

Witness's Printed Name

09/12/2014

9/12/2

Date

Dongwan Ha

Witness

Witness's Printed Name