

PATENT ASSIGNMENT COVER SHEET

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Stylesheet Version v1.2

EPAS ID: PAT5039959

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
JULIUS KUSUMA	11/10/2016
ARNAUD JARROT	11/10/2016
ADEEL MUKHTAR	06/18/2018
LIANG SUN	11/09/2016
ROBERT TENNENT	11/08/2016
DAVID KIRK CONN	07/03/2018
LUIS EDUARDO DEPAVIA	06/21/2018
RECEIVING PARTY DATA	
Name:	SCHLUMBERGER TECHNOLOGY CORPORATION
Street Address:	300 SCHLUMBERGER DRIVE
City:	SUGAR LAND
State/Country:	TEXAS
Postal Code:	77478
PROPERTY NUMBERS Total: 2	
Property Type	Number
Application Number:	62356990
Application Number:	15623424
CORRESPONDENCE DATA	
Fax Number:	
<i>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.</i>	
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:	IS16.0735-US-PSP
NAME OF SUBMITTER:	KRISTINE DUMAS-SCARBER
SIGNATURE:	/KRISTINE DUMAS-SCARBER/

DATE SIGNED:

07/08/2018

Total Attachments: 10

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Assignment

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

Julius Kusuma, a citizen of the United States of America;

Arnaud Jarrot, a citizen of France;

Adeel Mukhtar, a citizen of Pakistan;

Liang Sun, a citizen of the United States of America;

Robert Tennent, a citizen of South Africa;

David Kirk Conn, a citizen of the United States of America; and

Luis Eduardo DePavia, a citizen of the United States of America; and

Has/have invented certain new and useful improvements in

**METHODS AND SYSTEMS FOR SPECTRUM ESTIMATION FOR MEASURE WHILE
DRILLING TELEMETRY IN A WELL SYSTEM**

as described and set forth in a United States Provisional Patent Application filed on **June 30, 2016** under Serial Number **62/356,990**, (Docket No. **IS16.0735-US-PSP**). **This assignment is effective as of June 30, 2016.**

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.

This Agreement is entered in contemplation of and shall be construed in accordance with the laws of the State of Texas, and may not be amended or modified unless in a subsequent writing executed by the **COMPANIES**.

IN WITNESS WHEREOF I, **Julius Kusuma**, have hereunto set my hand and seal this 10 day of November, 2016.



Julius Kusuma

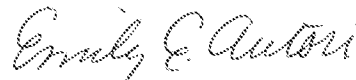
COMMONWEALTH OF MASSACHUSETTS

COUNTY OF MIDDLESEX

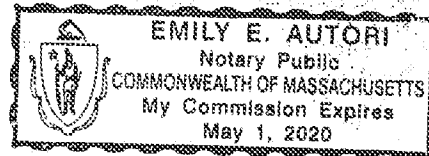
BEFORE ME this 10th day of November, 2016, personally appeared **Julius Kusuma**, to me known to be the person who is described in and who executed the foregoing assignment instrument and acknowledged to me that he/she executed the same of his/her own free will for the purpose therein expressed.

Seal






Notary Public



Schlumberger-Private

IN WITNESS WHEREOF I, Arnaud Jarrot, have hereunto set my hand and seal this 10 day of November, 2016.

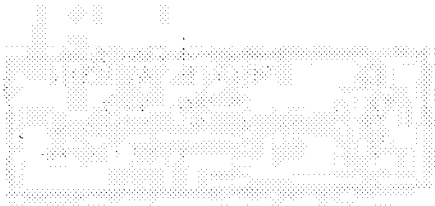

Arnaud Jarrot

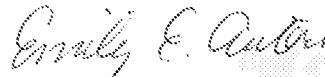
COMMONWEALTH OF MASSACHUSETTS

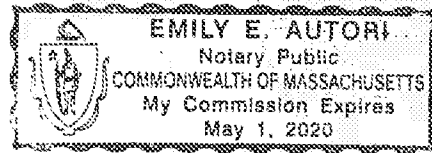
COUNTY OF MIDDLESEX

BEFORE ME this 10th day of November, 2016, personally appeared Arnaud Jarrot, to me known to be the person who is described in and who executed the foregoing assignment instrument and acknowledged to me that he/she executed the same of his/her own free will for the purpose therein expressed.

Seal




Notary Public



Schlumberger-Private

IN WITNESS WHEREOF I, Adeel Mukhtar, have hereunto set my hand and seal this 18th day of June, 2018.

[Signature]
Adeel Mukhtar

BE IT KNOWN, that Adeel Mukhtar is known to us to be the individual described in this assignment, that on the aforementioned date, we were personally present and did see him/her sign and execute this assignment and that he/she acknowledged to us that he/she executed the same as his/her free act and deed for the uses and purposes therein set forth.

[Signature]
Witness
8602 Timbercraft Dr
Houston, TX 77095

Post Office Address

[Signature]
Witness
12511 William Dowdell Dr
Cypress, TX 77429

Post Office Address

IN WITNESS WHEREOF I, **Liang Sun**, have hereunto set my hand and seal this 9th
day of November, 2016.

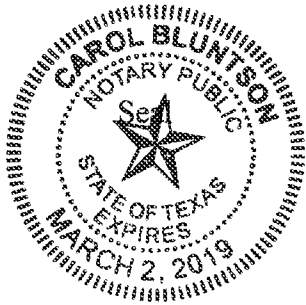


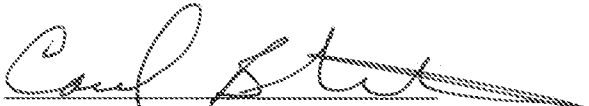
Liang Sun

STATE OF TEXAS

COUNTY OF HARRIS

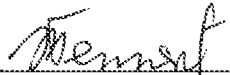
BEFORE ME this 9th day of NOVEMBER, 2016, personally appeared **Liang Sun**, to me known to be the person who is described in and who executed the foregoing assignment instrument and acknowledged to me that he/she executed the same of his/her own free will for the purpose therein expressed.





Notary Public

IN WITNESS WHEREOF I, **Robert Tennent**, have hereunto set my hand and seal this
8TH day of NOVEMBER, 2016.

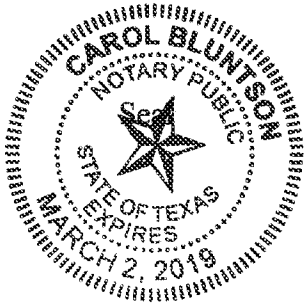


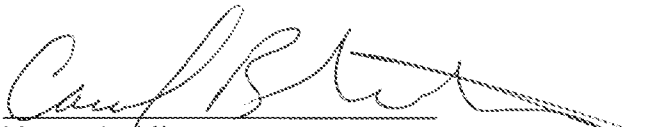
Robert Tennent

STATE OF TEXAS

COUNTY OF HARRIS

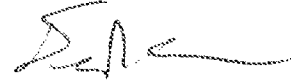
BEFORE ME this 8th day of NOVEMBER, 2016, personally appeared **Robert Tennent**,
to me known to be the person who is described in and who executed the foregoing assignment
instrument and acknowledged to me that he/she executed the same of his/her own free will for
the purpose therein expressed.





Notary Public

IN WITNESS WHEREOF I, David Kirk Conn, have hereunto set my hand and seal this
3rd day of July, 2018.

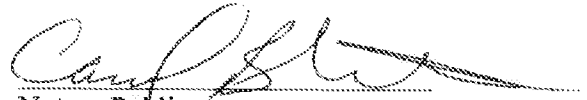
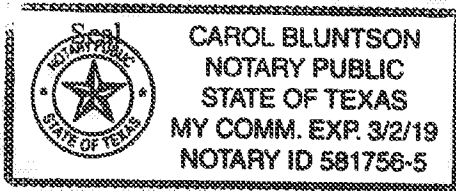


David Kirk Conn

STATE OF TEXAS

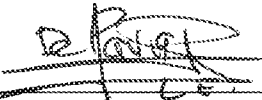
COUNTY OF HARRIS

BEFORE ME this 3rd day of JULY, 2018, personally appeared David Kirk Conn, to me known to be the person who is described in and who executed the foregoing assignment instrument and acknowledged to me that he/she executed the same of his/her own free will for the purpose therein expressed.



Notary Public

IN WITNESS WHEREOF I, ^{Edardo LD} Luis ~~Ed~~ ^{Ed} ~~De~~ ^{De} ~~Pavia~~, have hereunto set my hand and seal this 21 day of June, 2016.
8 LD

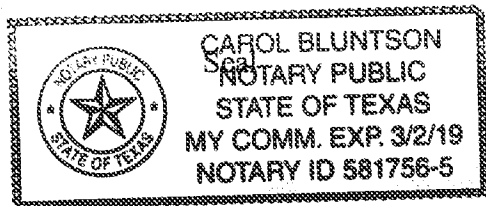


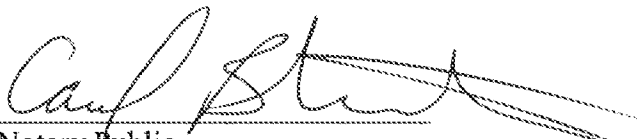
Luis Edwardo DePavia
Edardo LD

STATE OF TEXAS

COUNTY OF HARRIS

BEFORE ME this 21st day of JUNE, 2016, personally appeared Luis Edwardo ^{8 CB} ~~De~~ ^{De} ~~Pavia~~, to me known to be the person who is described in and who executed the foregoing assignment instrument and acknowledged to me that he/she executed the same of his/her own free will for the purpose therein expressed.





Notary Public

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 Avenue 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 TECHNOLOGY B.V.

Corporation of: The Netherlands

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

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