

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
 Stylesheet Version v1.2

EPAS ID: PAT6031475

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
XIAOCHU YAO	01/05/2018
DOUGLAS J. PATTERSON	02/18/2020
PAWEL J. MATUSZYK	02/18/2020
RECEIVING PARTY DATA	
Name:	BAKER HUGHES, A GE COMPANY, LLC
Street Address:	17021 ALDINE WESTFIELD
City:	HOUSTON
State/Country:	TEXAS
Postal Code:	77073
PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	16227609
CORRESPONDENCE DATA	
Fax Number:	(281)404-4468
<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>	
Phone:	281-404-4859
Email:	lbrevard@mktlaw.com
Correspondent Name:	MOSSMAN KUMAR & TYLER PC
Address Line 1:	P.O. BOX 421239
Address Line 4:	HOUSTON, TEXAS 77242
ATTORNEY DOCKET NUMBER:	ACU4-63872-US
NAME OF SUBMITTER:	T. AUSTIN CRONE
SIGNATURE:	/T. AUSTIN CRONE/
DATE SIGNED:	03/25/2020
Total Attachments: 4	
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ASSIGNMENT

IN CONSIDERATION OF ONE (1) DOLLAR AND OTHER GOOD AND VALUABLE CONSIDERATION, the receipt, sufficiency and adequacy of which are hereby acknowledged, the undersigned, do/does hereby:

SELL, ASSIGN AND TRANSFER to **Baker Hughes, a GE company, LLC**, having a place of business at **17021 Aldine Westfield, Houston, Texas 77073**, the entire right, title and interest for the United States and all foreign countries in and to any and all inventions and improvements which are disclosed in the application for United States Letters Patent, which has been executed by the undersigned and is entitled "**DOWNHOLE FLUID DENSITY AND VISCOSITY SENSOR BASED ON ULTRASONIC PLATE WAVES**," further identified as United States Patent Application No. **16/227,609**, filed on **December 20, 2018**, such application and all divisional, continuing, substitute, renewal, reissue and all other applications for patent which have been or shall be filed in the United States and all foreign countries on any of such inventions or improvements; all original and reissued patents which have been or shall be issued in the United States and all foreign countries on such inventions or improvements; and specifically including the right to file foreign applications under the provisions of any convention or treaty and claim priority based on such application in the United States;

AUTHORIZE AND HEREBY REQUEST the issuing authorities to issue any and all United States and foreign patents granted on such inventions or improvements to **Baker Hughes, a GE company, LLC**;

WARRANT AND COVENANT that no assignment, grant, mortgage, license or other agreement affecting the rights and property herein conveyed has been or will be made to others by the undersigned, and that the full right to convey the same as herein expressed is possessed by the undersigned;

COVENANT, when requested and at the expense of the Assignee, to carry out in good faith the intent and purposes of this assignment, the undersigned will execute all divisional, continuing, substitute, renewal, reissue, and all other patent applications on any and all such improvements; execute all rightful oaths, declarations, assignments, powers of attorney and other papers; communicate to the Assignee all facts known to the undersigned relating to such improvements and the history thereof; and generally do everything possible which the Assignee shall consider desirable for vesting title to such improvements in the Assignee, and for securing, maintaining and enforcing proper patent protection for such improvements;

TO BE BINDING on the heirs, assigns, representatives and successors of the undersigned and extend to the successors, assigns and nominees of the Assignee.

IN WITNESS WHEREOF, the undersigned have hereunto subscribed their names on the date set opposite their signatures.

(Signature) _____ Date _____

Name: **Xiaochu Yao**

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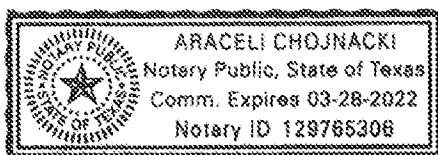
BEFORE ME, on this ____ day of _____, 2020 personally appeared, **Xiaochu Yao**, the person whose foregoing instrument and acknowledged to me that he executed the same of his own free will for the purposes and consideration therein expressed.

NOTARY PUBLIC

(Signature) *Douglas J. Patterson* Date 2/18/2020
 Name: **Douglas J. Patterson**

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BEFORE ME, on this 18th day of February, 2020 personally appeared, **Douglas J. Patterson**, the person whose foregoing instrument and acknowledged to me that he executed the same of his own free will for the purposes and consideration therein expressed.

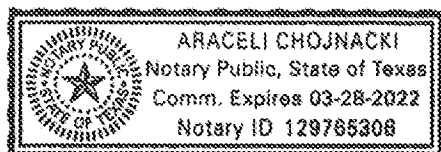


Araceli Chojnacki
 NOTARY PUBLIC

(Signature) *Pawel J. Matuszyk* Date 2/18/2020
 Name: **Pawel J. Matuszyk**

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§

BEFORE ME, on this 18th day of February, 2020 personally appeared, **Pawel J. Matuszyk**, the person whose foregoing instrument and acknowledged to me that he executed the same of his own free will for the purposes and consideration therein expressed.



Araceli Chojnacki
 NOTARY PUBLIC

ASSIGNMENT

IN CONSIDERATION OF ONE (1) DOLLAR AND OTHER GOOD AND VALUABLE CONSIDERATION, the receipt, sufficiency and adequacy of which are hereby acknowledged, the undersigned, do/does hereby:

SELL, ASSIGN AND TRANSFER to **Baker Hughes, a GE company, LLC**, having a place of business at **17021 Aldine Westfield, Houston, Texas 77073**, the entire right, title and interest for the United States and all foreign countries in and to any and all inventions and improvements which are disclosed in the application for United States provisional patent application, which has been executed by the undersigned and is entitled, **"DOWNHOLE FLUID DENSITY AND VISCOSITY SENSOR BASED ON ULTRASONIC PLATE WAVES,"** further identified as United States provisional application serial no.: **62/609486** filed on **December 22, 2017** such identified provisional patent application, and all applications that take priority from such identified provisional patent application, including all non-provisional applications, divisional, continuing, substitute, renewal, reissue and all other applications for patent which have been or shall be filed in the United States and all foreign countries on any of such inventions or improvements; all original and reissued patents which have been or shall be issued in the United States and all foreign countries on such inventions or improvements; and specifically including the right to file foreign applications under the provisions of any convention or treaty and claim priority based on such application in the United States;

AUTHORIZE AND HEREBY REQUEST the issuing authorities to issue any and all United States and foreign patents granted on such inventions or improvements to **Baker Hughes, a GE company, LLC**;

WARRANT AND COVENANT that no assignment, grant, mortgage, license or other agreement affecting the rights and property herein conveyed has been or will be made to others by the undersigned, and that the full right to convey the same as herein expressed is possessed by the undersigned;

COVENANT, when requested and at the expense of the Assignee, to carry out in good faith the intent and purposes of this assignment, the undersigned will execute all divisional, continuing, substitute, renewal, reissue, and all other patent applications on any and all such improvements; execute all rightful oaths, declarations, assignments, powers of attorney and other papers; communicate to the Assignee all facts known to the undersigned relating to such improvements and the history thereof; and generally do everything possible which the Assignee shall consider desirable for vesting title to such improvements in the Assignee, and for securing, maintaining and enforcing proper patent protection for such improvements;

TO BE BINDING on the heirs, assigns, representatives and successors of the undersigned and extend to the successors, assigns and nominees of the Assignee.

IN WITNESS WHEREOF, the undersigned have hereunto subscribed their names on the date set opposite their signatures.

(Signature) Xiaochu Yao Date 1/5/18
 Name: Xiaochu Yao

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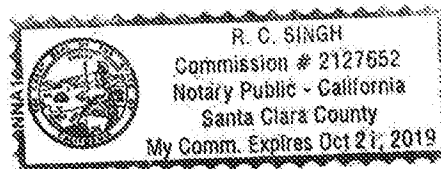
BEFORE ME, on this 5th day of Jan, 2018 personally appeared, **Xiaochu Yao**, the person whose name is subscribed to the foregoing instrument and acknowledged to me that he executed the same of his own free will for the purposes and consideration therein expressed.

NOTARY PUBLIC/WITNESS

I, Notary Public or other officer completing this certificate, verify only the identity of the individual who signed the document to which this certificate is attached, and not the truthfulness, accuracy, or validity of that document.

State of California, County of Santa Clara (s). On 01/05/2018 before me R.C. Singh,
 Notary Public, personally appeared: XIAOCHU YAO

who proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument. I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct. WITNESS my hand and official seal.



[Handwritten signature]