

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
 Stylesheet Version v1.2

EPAS ID: PAT5368776

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
HAO ZHANG	02/05/2019
NORA PATRICIA ALARCON	02/05/2019
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	BAKER HUGHES OILFIELD OPERATIONS LLC
<b>Street Address:</b>	17021 ALDINE WESTFIELD ROAD
<b>City:</b>	HOUSTON
<b>State/Country:</b>	TEXAS
<b>Postal Code:</b>	77073
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
<b>Application Number:</b>	16271960
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	(713)632-1401
<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>	
<b>Phone:</b>	713-632-1400
<b>Email:</b>	hlusdocketing@hoganlovells.com, stephanie.mcdonough@hoganlovells.com
<b>Correspondent Name:</b>	HOGAN LOVELLS US LLP
<b>Address Line 1:</b>	609 MAIN STREET
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<b>ATTORNEY DOCKET NUMBER:</b>	751777.000020
<b>NAME OF SUBMITTER:</b>	JOE GRDINOVAC
<b>SIGNATURE:</b>	/JOE GRDINOVAC/
<b>DATE SIGNED:</b>	02/11/2019
<b>Total Attachments: 4</b>	
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source=751777-20_Assignment_signed#page3.tif	



COMBINED DECLARATION AND GLOBAL ASSIGNMENT  
FOR PROVISIONAL UTILITY OR DESIGN PATENT APPLICATION

As the below named inventor(s), I/we hereby declare that:

This declaration and assignment are directed to:  
VIRTUAL CORE GENERATION AND MODELING

- ☒ the specification of which is attached hereto OR  
☐ United States application or PCT international application number  
\_\_\_\_\_ filed on \_\_\_\_\_, as  
amended on [date] (if applicable).  
(We hereby authorize and request the Company or its delegated attorneys or agents  
to insert above the application number and filing date of the application when  
known.)

The above-identified application was made or authorized to be made by us.

We believe that we are original joint inventors of a claimed invention in the application.

We hereby acknowledge that any willful false statement made in this declaration is punishable  
under 18 USC § 1001 by fine or imprisonment of not more than five (5) years, or both.

We acknowledge the duty to disclose information which is material to the patentability of this  
application as defined in 37 CFR § 1.56, including, for continuation-in-part applications, material  
information which became available between the filing date of the prior application and the filing  
date of the continuation-in-part application.

In accordance with our obligation(s) under an Employee Innovation and Proprietary Information  
Agreement or (as applicable) arising out of other agreements (such as, but not limited to, the  
Services Agreement between General Electric Company, a New York corporation, and our  
employers), and/or for other good and valuable consideration of which we acknowledge receipt,  
we,

Inventor First Name	Inventor Middle Name	Inventor Last Name		Residence Town	Residence State	Residence Country
Hao		Zhang	of	Houston	TX	US
Nora	Patricia	Alarcon	of	Houston	TX	US

hereby sell and assign to:

Name of Company: Baker Hughes Oilfield Operations LLC
Entity Type (optional): <i>Delaware corporation</i>
Address: 17021 Aldine Westfield Road Houston, TX 77073

herein referred to as "Company", its successors and assigns our entire respective rights, titles and interests in and to the invention and improvements made and conceived by us described in the application(s) listed above and in the following table:

Country of Filing	Type of Filing	Application Number	Filing Date	Title

(We hereby authorize and request the Company or its delegated attorneys or agents to insert above the application number and filing date of the application(s) when known.)

and any and all applications for patent and patents therefrom in any and all countries, including all divisions, continuations, reexaminations and reissues thereof, and all rights of priority resulting from the filing of the application(s), and authorize and request any official whose duty it is to issue patents, to issue any patent on the inventions and improvements resulting therefrom to the Company, or its successors or assigns and agree that on request and without further consideration, we will communicate to the Company or its representatives or nominees any facts known to us respecting the inventions and improvements and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuation, reexamination and reissue applications, make all rightful oaths and generally do everything possible to aid the Company, its successors, assigns, and nominees to obtain and enforce proper patent protection for the invention and its improvements in all countries.

Remuneration claims of the inventor(s)/assignor(s) potentially arising from German Law on Employee Inventions, or any other respective country law, remain unaffected by this assignment.

INVENTOR 1

Signature: [Signature]  
Inventor Name: Hao Zhang

Date: 02-05-2019

Witnessed by: \_\_\_\_\_  
Signature

Date: \_\_\_\_\_

Printed Name of Witness

Witnessed by: \_\_\_\_\_  
Signature

Date: \_\_\_\_\_

Printed Name of Witness

**SECTION BELOW IS FOR USE ONLY IF SIGNING IN PRESENCE OF A NOTARY**

[Signature] Date: 02-05-2019  
Inventor Name: Hao Zhang

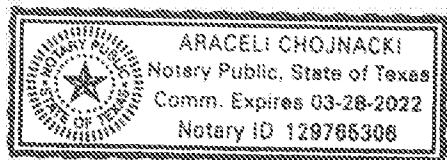
STATE OF TEXAS  
COUNTY OF HARRIS

ss.

This 5<sup>th</sup> day of February, 2019 before me personally came the above-named Hao Zhang, to me personally known as the individual who executed the foregoing assignment, who acknowledged to me that he/she executed the same of his/her own free will for the purposes therein set forth.

Seal

[Signature]  
(Notary Public)



INVENTOR 2

Signature: [Signature]  
Inventor Name: Nora Patricia Alarcon

Date: 2/5/2019

Witnessed by: \_\_\_\_\_  
Signature

Date: \_\_\_\_\_

Printed Name of Witness \_\_\_\_\_

Witnessed by: \_\_\_\_\_  
Signature

Date: \_\_\_\_\_

Printed Name of Witness \_\_\_\_\_

**SECTION BELOW IS FOR USE ONLY IF SIGNING IN PRESENCE OF A NOTARY**

[Signature] Date: 2/5/2019  
Inventor Name: Nora Patricia Alarcon

STATE OF TEXAS

COUNTY OF HARRIS ss.

This 5<sup>th</sup> day of February, 2019 before me personally came the above-named Nora Patricia Alarcon, to me personally known as the individual who executed the foregoing assignment, who acknowledged to me that he/she executed the same of his/her own free will for the purposes therein set forth.

Seal

[Signature]

(Notary Public)

