

## PATENT ASSIGNMENT COVER SHEET

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Stylesheet Version v1.2

EPAS ID: PAT3888073

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
SHIV SHANKAR SANGARU	05/22/2016
PRAHLAD YADAV	05/22/2016
TIANPING HUANG	05/17/2016
GAURAV AGRAWAL	05/22/2016
MOHAMMED AL-RABAH	05/22/2016
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<b>Street Address:</b>	P.O. BOX 4740
<b>City:</b>	HOUSTON
<b>State/Country:</b>	TEXAS
<b>Postal Code:</b>	77210-4740
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
Application Number:	15163722
<b>CORRESPONDENCE DATA</b>	
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<b>ATTORNEY DOCKET NUMBER:</b>	DTC4-60929-US-NP
<b>NAME OF SUBMITTER:</b>	WANLI WU
<b>SIGNATURE:</b>	/Wanli Wu/
<b>DATE SIGNED:</b>	05/25/2016
<b>Total Attachments: 6</b>	

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## PATENT APPLICATION ASSIGNMENT

WHEREAS, Shiv Shankar Sangaru, a citizen of India, residing at Al-Khobar, Saudi Arabia; Prahlad Yadav, a citizen of India, residing at Al-Khobar, Saudi Arabia; Tianping Huang, a citizen of the United States of America, residing at Spring, TX; Gaurav Agrawal, a citizen of the United States of America, residing at Al-Khobar, Saudi Arabia; and Mohammed Al-Rabah, a citizen of Saudi Arabia, residing at Qatif, Saudi Arabia, have invented new and useful improvements in **IMPROVED FLUID EFFICIENCY FOR VISCOELASTIC SURFACTANT BASED FLUIDS WITH NANOPARTICLES** for which we have filed as United States application:

15/163,722 filed on May 25, 2016,  
(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.)

WHEREAS, **Baker Hughes Incorporated**, a corporation of the State of Delaware, having a correspondence address of P.O. Box 4740, Houston, Texas 77210-4740 USA, is desirous of acquiring my entire right, title and interest in said application and my Letters Patent, which may issue thereon.

NOW, THEREFORE, it be known by all whom it may concern that for and in consideration of One Dollar (\$1.00), the receipt of which is hereby acknowledged, and other good and valuable consideration, We hereby assign to said corporation, both in and for the territory of the United States of America and the entire world, all my title and interest in and to said invention, patent application and any patent which may issue thereon, including all divisions, continuations, reissues, continuations-in-part and substitutions thereof, plus all priority rights for patent applications foreign to the United States of America. We further hereby assign and transfer to said corporation whatever cause of action We may have for past or present infringement of said invention, together with the right to bring suit for any such infringement and to seek and receive damages and other relief arising from any such infringement.

WE HEREBY covenant and agree that We will at any time, upon the request of said corporation, execute and deliver any and all papers and do all lawful acts that may be necessary or desirable to perfect the title to said invention, applications and patents, and We authorize the Commissioner of Patents and Trademarks to issue Letters patent to said corporation.

INVENTOR 1

Signature: S. Sh. S. L.  
SHIV SHANKAR SANGARU

Date: 5/22/2016

Witnessed by: Pranjal Sarmah  
Signature

Date: 5/22/2016

PRANJAL SARMAH

Printed Name of Witness


Witnessed by: [Signature]  
Signature

Date: 5/22/2016

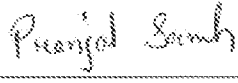
ASOK J. NAIR

Printed Name of Witness

INVENTOR 2


Signature:   
PRAHLAD YADAV

Date: 5/22/2016.....

Witnessed by:   
Signature

Date: 5/22/2016.....

PRANSAL SARMAH  
Printed Name of Witness

Witnessed by:   
Signature

Date: 5/22/2016.....

ASOOK J NAIR  
Printed Name of Witness

INVENTOR 3

Tianping Huang  
Tianping Huang

Date: 05/17/2016

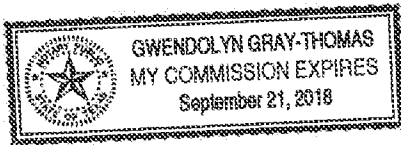
STATE OF

ss.

COUNTY OF

This 17 day of May, 2016 before me personally came the above-named **Tianping Huang**, 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



Gwendolyn Gray-Thomas  
(Notary Public)

INVENTOR 4

Signature: Gaurav Agrawal  
GAURAV AGRAWAL

Date: 5/22/2016\_\_\_\_\_

Witnessed by: Pransal Sarmah  
Signature

Date: 5/22/2016\_\_\_\_\_

PRANSAL SARMAH  
Printed Name of Witness

Witnessed by: [Signature]  
Signature

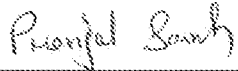
Date: 5/22/2016\_\_\_\_\_

Asok J. Nair  
Printed Name of Witness

INVENTOR 4


Signature:   
MOHAMMED AL-RABAH

Date: 5/22/2016

Witnessed by:   
Signature

Date: 5/22/2016

PRANJAL SARMA  
Printed Name of Witness

Witnessed by:   
Signature

Date: 5/22/2016

ASOK J NAIR  
Printed Name of Witness