

|                                      |
|--------------------------------------|
| <b>PATENT ASSIGNMENT COVER SHEET</b> |
|--------------------------------------|

Electronic Version v1.1  
 Stylesheet Version v1.2

EPAS ID: PAT3478482

|   |  |
|---|--|
| <b>SUBMISSION TYPE:</b>   | NEW ASSIGNMENT                           |
| <b>NATURE OF CONVEYANCE:</b>  | ASSIGNMENT                               |
| <b>CONVEYING PARTY DATA</b>   |  |
| <b>Name</b>   | <b>Execution Date</b>                    |
| ZHIYUE XU   | 08/10/2015                               |
| BOBBY SALINAS   | 08/10/2015                               |
| ZHIHUI ZHANG  | 08/10/2015                               |
| <b>RECEIVING PARTY DATA</b>   |  |
| <b>Name:</b>  | BAKER HUGHES INCORPORATED                |
| <b>Street Address:</b>  | 2929 ALLEN PARKWAY                       |
| <b>Internal Address:</b>  | SUITE 2100                               |
| <b>City:</b>  | HOUSTON                                  |
| <b>State/Country:</b>   | TEXAS                                    |
| <b>Postal Code:</b>   | 77019-2118                               |
| <b>PROPERTY NUMBERS Total: 1</b>  |  |
| <b>Property Type</b>  | <b>Number</b>                            |
| <b>Application Number:</b>  | 14823491                                 |
| <b>CORRESPONDENCE DATA</b>  |  |
| <b>Fax Number:</b>  | (860)286-0115                            |
| <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>   | 860-286-2929                             |
| <b>Email:</b>   | usptopatentmail@cantorcolburn.com        |
| <b>Correspondent Name:</b>  | CANTOR COLBURN LLP- BAKER HUGHES INCORPO |
| <b>Address Line 1:</b>  | 20 CHURCH STREET                         |
| <b>Address Line 2:</b>  | 22ND FLOOR                               |
| <b>Address Line 4:</b>  | HARTFORD, CONNECTICUT 06103              |
| <b>ATTORNEY DOCKET NUMBER:</b>  | TY14-59951-US-NP                         |
| <b>NAME OF SUBMITTER:</b>   | WANLI WU                                 |
| <b>SIGNATURE:</b>   | /Wanli Wu/                               |
| <b>DATE SIGNED:</b>   | 08/11/2015                               |
| <b>Total Attachments: 4</b>   |  |
| source=7FU0306#page1.tif  |  |
| source=7FU0306#page2.tif  |  |

source=7FU0306#page3.tif

source=7FU0306#page4.tif

## PATENT APPLICATION ASSIGNMENT

WHEREAS, We, **Zhiyue Xu, Bobby Salinas and Zihui Zhang** have invented new and useful improvements in **METHODS OF MANUFACTURING DISSOLVABLE TOOLS VIA LIQUID-SOLID STATE MOLDING** for which I have filed as United States Patent Application.

14/823,491 filed on August 11, 2015,

(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 2929 Allen Parkway, Suite 2100, Houston, Texas 77019-2118, 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.

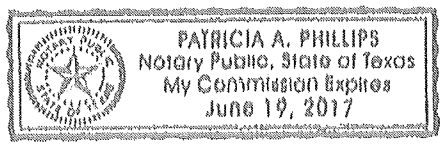
INVENTOR 1

[Signature]  
Zhiyue Xu

Date: 8/10/2015

STATE OF Texas ss.  
COUNTY OF Harris

This 10 day of August, 2015 before me personally came the above-named Zhiyue Xu, 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 

Patricia A. Phillips  
(Notary Public)

INVENTOR 2

Bobby J. Salinas  
Bobby Salinas

Date: 8/10/15

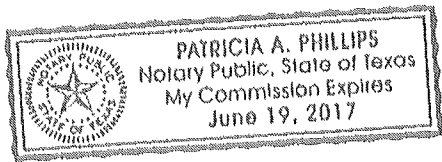
STATE OF

SS.

COUNTY OF

This 10 day of August, 2015 before me personally came the above-named Bobby Salinas, 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



Patricia A. Phillips  
(Notary Public)

INVENTOR 3

*Zhang*

Zhihui Zhang

Date: 8/10/2015

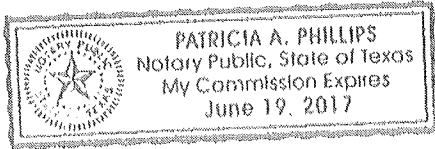
STATE OF Texas

ss.

COUNTY OF Harris

This 10 day of August 2015 before me personally came the above-named Zhihui 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



*Patricia A. Phillips*  
(Notary Public)