

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
Stylesheet Version v1.2

EPAS ID: PAT3062894

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
CHANGPING SUI	02/05/2013
BALAKRISHNAN PANAMARATHUPALAYAM	02/05/2013
HUI ZHANG	02/01/2013
WILLIAM FOXENBERG	02/05/2013
RECEIVING PARTY DATA	
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PROPERTY NUMBERS Total: 2	
Property Type	Number
Application Number:	61731141
PCT Number:	US1372496
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SIGNATURE:	/CARLYN ANNE BURTON/
DATE SIGNED:	10/10/2014
Total Attachments: 2	
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DECLARATION AND ASSIGNMENT – WORLDWIDE

Whereas, the undersigned individual(s) (referred to herein as the “INVENTOR(S)”) has/have invented:

- The attached application to be filed as a United States application or PCT international application, or
 PCT international application number US13/72496 filed on 11/29/13; and, U.S. provisional application number 61/731,141 filed on 11/29/12; and entitled:

COLLOIDAL SILICA AND POLYMER SYSTEM FOR INSULATING PACKER FLUIDS

Regarding that application, each of the INVENTOR(S) declares the following:

- The above-identified application was made or authorized to be made by me.
- I believe that I am the original inventor or an original joint inventor of a claimed invention in the application.
- I hereby acknowledge that any willful false statement made in this declaration is punishable under 18 U.S.C. 1001 by fine or imprisonment of not more than five (5) years, or both.

For good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, the INVENTOR(S) hereby assign, transfer, and set over to:

M-I L.L.C.

having the following address:

**5950 North Course Drive
Houston, Texas 77072**

(referred to herein as “COMPANY”), its successors, and assigns, the entire right, title, and interest, worldwide, in and to the invention described in the patent application identified above (referred to herein as “INVENTION”), together with said patent application, all divisions, continuations, continuations-in-part, reissues, and extensions thereof, and all Letters Patent (domestic and foreign) that may be granted therefor. Such interest represents the entire ownership of said applications and Letters Patent when granted and is to be owned by COMPANY, its successors, and assigns, or their legal representatives, for the full and entire term for which such Letters Patent may be granted or extended, as fully and entirely as the same would have been enjoyed by the INVENTOR(S) if this assignment had not been made.

In addition, the undersigned INVENTOR(S) each hereby agrees:

1. To sign and execute any further documents that may be necessary or desirable, lawful, and proper in connection with the prosecution of all applications for patent(s) on the INVENTION in the United States, including without limitation said application and all divisions, continuations, continuations-in-part, amendments thereof, and all interference proceedings associated therewith, or otherwise necessary or desirable to secure the title thereto to COMPANY;
2. To execute all papers and documents and to perform all lawful acts that may be necessary in connection with claims to priority or otherwise under the International Convention for the Protection of Industrial Property or similar treaties or agreements;
3. To perform all lawful affirmative acts that may be necessary to obtain the grant of valid and enforceable patents to COMPANY.

The undersigned INVENTOR(S) each hereby authorizes and requests the Commissioner of Patents and Trademarks in the United States to issue any and all Letters Patent resulting from said application, including without limitation any division, continuation, continuation-in-part, or reissue thereof to COMPANY.

OSHALIANG

Intellectual Property Law

The undersigned INVENTOR(S) each hereby grants to the firm of OSHA • LIANG LLP the power to insert on this Assignment any further identification that may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office for the recordation of this document.

IN WITNESS WHEREOF, this Assignment has been executed by each of the undersigned individuals on the date appearing by such individual's signature:

<u>02/05/13</u> Date	1 st Inventor Signature: <u><i>Changping Sui</i></u> Print or Type Name: <u>Changping Sui</u>
<u>02/05/13</u> Date	2 nd Inventor Signature: <u><i>P. L. Balas</i></u> Print or Type Name: <u>Balakrishnan Panamarathupalayam</u>
<u>2-1-2013</u> Date	3 rd Inventor Signature: <u><i>Hui Zhang</i></u> Print or Type Name: <u>Hui Zhang</u>
<u>2-5-2013</u> Date	4 th Inventor Signature: <u><i>William E. Foxenberg</i></u> Print or Type Name: <u>William E. Foxenberg</u>

This Assignment may be signed before either:
(a) a Notary Public for one of the States of the United States, or (b) two witnesses who sign below:

NOTARY PUBLIC

State of _____
County of _____

Before me personally appeared:

<u>Changping Sui</u> <small>1st Inventor</small>	<u>Balakrishnan Panamarathupalayam</u> <small>2nd Inventor</small>
<u>Hui Zhang</u> <small>3rd Inventor</small>	<u>William E. Foxenberg</u> <small>4th Inventor</small>

each of whom acknowledged the foregoing instrument to be a free act and deed and also represented that he/she is authorized to execute this Assignment.

Dated: February 5, 2013 *Lydia Medellin*
Notary Public My commission expires: May 15, 2016

WITNESSES

Signature of Witness: _____
 Date: _____
 Print or Type Name: _____

Signature of Witness: _____
 Date: _____
 Print or Type Name: _____

