

PATENT ASSIGNMENT

Electronic Version v1.1
 Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT														
NATURE OF CONVEYANCE:	ASSIGNMENT														
CONVEYING PARTY DATA															
<table border="1"> <thead> <tr> <th>Name</th> <th>Execution Date</th> </tr> </thead> <tbody> <tr> <td>Yintao Liu</td> <td>03/07/2012</td> </tr> <tr> <td>Ke-Thia Yao</td> <td>03/12/2012</td> </tr> <tr> <td>Shuping Liu</td> <td>03/10/2012</td> </tr> <tr> <td>Cauligi Srinivasa Raghavendra</td> <td>03/12/2012</td> </tr> <tr> <td>Oluwafemi Opeyemi Balogun</td> <td>03/27/2012</td> </tr> <tr> <td>Olanrewaju Olatinjo</td> <td>03/27/2012</td> </tr> </tbody> </table>		Name	Execution Date	Yintao Liu	03/07/2012	Ke-Thia Yao	03/12/2012	Shuping Liu	03/10/2012	Cauligi Srinivasa Raghavendra	03/12/2012	Oluwafemi Opeyemi Balogun	03/27/2012	Olanrewaju Olatinjo	03/27/2012
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Olanrewaju Olatinjo	03/27/2012														
RECEIVING PARTY DATA															
Name:	Chevron U.S.A. Inc.														
Street Address:	P. O. Box 6006														
City:	San Ramon														
State/Country:	CALIFORNIA														
Postal Code:	94583-0806														
PROPERTY NUMBERS Total: 1															
<table border="1"> <thead> <tr> <th>Property Type</th> <th>Number</th> </tr> </thead> <tbody> <tr> <td>Application Number:</td> <td>13330895</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	13330895										
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Application Number:	13330895														
CORRESPONDENCE DATA															
Fax Number:	(713)372-9171														
Phone:	713-3729105														
Email:	patents@chevron.com														
<i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent via US Mail.</i>															
Correspondent Name:	Chevron U.S.A. Inc.														
Address Line 1:	P.O. BOX 6006														
Address Line 4:	SAN RAMON, CALIFORNIA 94583-0806														
ATTORNEY DOCKET NUMBER:	T-8212-CIP														

CH \$40.00 13330895

NAME OF SUBMITTER:

Craig Vander Ploeg

Total Attachments: 4

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ASSIGNMENT

WHEREAS, I / We,

Yintao Liu	of	Los Angeles, CA
Ke-Thia Yao	of	Los Angeles, CA
Shuping Liu	of	Los Angeles, CA
Cauligi Srinivasa Raghavendra	of	Los Angeles, CA
Oluwafemi Opeyemi Balogun	of	Rosenberg, TX
Olanrewaju Olabinjo	of	Sugar Land , TX

have invented new and useful improvements in

"SYSTEM AND METHOD FOR FAILURE PREDICTION FOR ARTIFICIAL LIFT SYSTEMS"

set forth in an application for Letters Patent of the United States bearing Serial No. 13/330,895 and filed on December 20, 2011, which is a continuation-in-part of Letters Patent of the United States bearing Serial No. 13/118,067 and filed on May 27, 2011, which claims the benefit of United States Provisional Application for Patent bearing Serial No. 61/349,121 and filed on May 27, 2010; and

WHEREAS, *University of Southern California*, a public non-profit institution duly chartered under and pursuant to the laws of California, and having a regular and established place of business at Los Angeles, State of California, is desirous of acquiring the entire right, title and interest in and to said invention, said application, and in and to the Letters Patent, Utility Models, and Inventors' Certificates to be granted and issued thereof in the United States of America and in any and all countries foreign thereto:

NOW, THEREFORE, for a valuable consideration, the receipt of which is hereby acknowledged, I / We, hereby sell, assign, transfer and set over unto said *University of Southern California*, its successors and assigns, the entire right, title and interest in and to said invention, said application, including all priority rights associated with said application under provisions of international conventions, treaties, or otherwise, and all divisions, continuations, reexaminations, and reissues thereof, and in and to all Letters Patent, Utility Models, and Inventors' Certificates to be granted and issued therefore and all reexamination certificates, reissues and extensions thereof, not only for, to and in the United States of America, but for, to and in all other countries. The aforesaid assignment includes the right in and to all income, royalties, damages and payments now or hereafter due or payable with respect to any Letters Patent, Utility Models, and Inventors' Certificates which may be granted in the United States of America and in any and all countries foreign thereto, and in and to all causes of action (either in law or in equity), and the right to sue, counterclaim, and recover for past, present and future infringement of the rights assigned or to be assigned under this Assignment, as fully and entirely as the same would have been held and enjoyed by Assignors if this sale and assignment had not been made;

and I / We hereby authorize and request the Commissioner for Patents to issue said Letters Patent in accordance with this Assignment;

and I / We hereby covenant that we have full right to convey the entire interest herein assigned, and I / We have not executed, and will not execute, any agreement in conflict herewith and that the rights assigned herein are not otherwise encumbered by any grant, license or right;

and I / We hereby further covenant and agree that we will communicate to said Assignee, its successors, legal representatives and assigns, any facts known to us respecting said inventions and discoveries; and furthermore, upon request, without additional compensation but at no expense to me / us, testify in any interference or legal proceedings involving said inventions, and sign any applications for reissue, division, continuation, continuation-in-part, renewal, substitute or extension thereof.

Title of the Invention: **SYSTEM AND METHOD FOR FAILURE PREDICTION FOR ARTIFICIAL LIFT SYSTEMS**

Attorney Docket No.: T-8212-CIP

In witness whereof, I / We have signed my / our name(s) on the date set forth below.

Inventor Signature: [Signature] Date: 03/07/2012
Inventor Name: Yintao Liu

Witness Signature: [Signature] Date: 3/7/12
Witness Name: Juli Legat

Inventor Signature: [Signature] Date: 3/12/2012
Inventor Name: Ke-Thia Yao

Witness Signature: [Signature] Date: 3/12/12
Witness Name: Juli Legat

Inventor Signature: [Signature] Date: 03.10.2012
Inventor Name: Shuping Liu

Witness Signature: [Signature] Date: 3/10/12
Witness Name: Juli Legat

Inventor Signature: [Signature] Date: 3/12/2012
Inventor Name: Cauligi Srinivasa Raghavendra

Witness Signature: [Signature] Date: 3/12/12
Witness Name: Juli Legat

Inventor Signature: [Signature] Date: 3/27/2012
Inventor Name: Oluwafemi Opeyemi Balogun

Witness Signature: [Signature] Date: 3/27/12
Witness Name: Toufic KAWIS

Inventor Signature: _____ Date: _____
Inventor Name: Olanrewaju Oabinjo

Witness Signature: _____ Date: _____
Witness Name: _____

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WHEREAS, I / We,

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Inventor Name: Oluwafemi Opeyemi Balogun

Witness Signature: _____ Date: _____

Witness Name: _____

Inventor Signature:  _____ Date: 3/27/12

Inventor Name: Olanrewaju Olabinjo

Witness Signature:  _____ Date: 3/27/12

Witness Name: Barbara Ross