PATENT ASSIGNMENT

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

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 Olabinjo	03/27/2012

RECEIVING PARTY DATA

Name:	University of Southern California
Street Address:	1150 South Olive Street, Suite 2300
Internal Address:	U.S.C. Stevens Institute for Innovation
City:	Los Angeles
State/Country:	CALIFORNIA
Postal Code:	90015

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	13330895

CORRESPONDENCE DATA

Fax Number: (713)372-9171 Phone: 713-372-9105

Email: patents@chevron.com

Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent

via US Mail.

501891297

Correspondent Name: Chevron U.S.A. Inc. Address Line 1: P. O, Box 6006

Address Line 4: San Ramon, CALIFORNIA 94583

ATTORNEY DOCKET NUMBER: T-8212-CIP

PATENT REEL: 028061 FRAME: 0346

NAME OF SUBMITTER:	Craig Vander Ploeg
Total Attachments: 4 source=T-8212-CIP_Assignment#page1.tif source=T-8212-CIP_Assignment#page2.tif source=T-8212-CIP_Assignment#page3.tif source=T-8212-CIP_Assignment#page4.tif	

PATENT REEL: 028061 FRAME: 0347 Attorney Docket No.: T-8212-CIP

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: inventor Name: Witness Signature: Witness Name:	Yintao Liu		3/7/12
Inventor Signature: Inventor Name: Witness Signature: Witness Name:	Ke-Thia Yao We H Mi Jeget	•	3/12/2012
Inventor Signature: Inventor Name: Witness Signature: Witness Name:	Shuping Liu Shuping Liu Shuping Liu Shuping Liu	Date: _	03.10.2012 3/11/p
Inventor Signature; Inventor Name; Witness Signature; Witness Name;	CS Agfaventa Cauligi Srinivasa Raghavendra Luci Icaat		3/12/2012
Inventor Signature: inventor Name: Witness Signature: Witness Name:	Oluwatemi Opeyemi Balogun TOUFIC CANS	Date: _	3/27/12
Inventor Signature: Inventor Name: Witness Signature:	Olanrewaju Olabinjo	Date:	

Attorney Docket No.: T-8212-CIP

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

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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:		Date:	
Inventor Name:	Yintao Liu		
Witness Signature:	***************************************	Date:	
Witness Name:			
Inventor Signature:	Ke-Thia Yao	Date:	
Inventor Name:	Ke-Thia Yao		
Witness Signature:		Date:	
Witness Name:	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		
Inventor Signature:		Date:	
Inventor Name:	Shuping Liu		
Witness Signature:		Date:	
Witness Name:			
Inventor Signature: Inventor Name:	Cauligi Srinivasa Raghavendra	Date:	
Witness Signature:		Date:	
Witness Name:			
Inventor Signature; Inventor Name;	Oluwafemi Opeyemi Balogun	Date:	
Witness Signature:		Date:	
Witness Name:			
Inventor Signature:	Olanrewaju Olabinjo	Date:	127/12·
Witness Signature:	<u>Dinas Rosa</u>	Date:	3/27/12
Witness Name:	Tarhara Ross		

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