

PATENT ASSIGNMENT

Electronic Version v1.1
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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>Marcus Oliver Wigand</td> <td>02/24/2012</td> </tr> <tr> <td>Mark Dean Looney</td> <td>04/02/2012</td> </tr> </tbody> </table>		Name	Execution Date	Marcus Oliver Wigand	02/24/2012	Mark Dean Looney	04/02/2012				
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Mark Dean Looney	04/02/2012										
RECEIVING PARTY DATA											
<table border="1"> <tr> <td>Name:</td> <td>Chevron U.S.A. Inc.</td> </tr> <tr> <td>Street Address:</td> <td>6001 Bollinger Canyon Road</td> </tr> <tr> <td>City:</td> <td>San Ramon</td> </tr> <tr> <td>State/Country:</td> <td>CALIFORNIA</td> </tr> <tr> <td>Postal Code:</td> <td>94583</td> </tr> </table>		Name:	Chevron U.S.A. Inc.	Street Address:	6001 Bollinger Canyon Road	City:	San Ramon	State/Country:	CALIFORNIA	Postal Code:	94583
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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>13335290</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	13335290						
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CORRESPONDENCE DATA											
<p>Fax Number: (612)332-9081 Phone: 612 332 5300 Email: lkenney@merchantgould.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: Merchant & Gould - Chevron Address Line 1: PO Box 2903 Address Line 4: Minneapolis, MINNESOTA 55402</p>											
ATTORNEY DOCKET NUMBER:	70205.0246US01										
NAME OF SUBMITTER:	Melissa M. Hayworth										
<p>Total Attachments: 4 source=0246US01_Assignment#page1.tif source=0246US01_Assignment#page2.tif source=0246US01_Assignment#page3.tif source=0246US01_Assignment#page4.tif</p>											

OP \$40.00 13335290

ASSIGNMENT

WHEREAS, We,

Marcus Oliver Wigand
Mark Dean Looney

of ~~Los Alamos, New Mexico~~
of Houston, Texas

MOW MISSOURI CITY, TX

have invented new and useful improvements in

"PREPARATION AND USE OF NANO-CATALYSTS FOR IN SITU REACTION WITH KEROGEN"

set forth in an application for Letters Patent of the United States bearing Serial No. 13/335,290
and filed on December 22, 2011, and

WHEREAS, *CHEVRON U.S.A. INC.*, a corporation organized and existing under and by virtue of the laws of the Commonwealth of Pennsylvania, and having a regular and established place of business at San Ramon, State of California, is desirous of acquiring the 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, we, hereby sell, assign, transfer and set over unto said *CHEVRON U.S.A. INC.*, its successors and assigns, the 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;

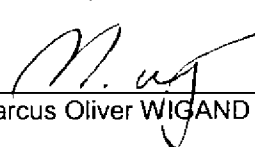
and we hereby authorize and request the Commissioner for Patents to issue said Letters Patent in accordance with this Assignment;

and we hereby covenant that we have full right to convey the entire interest herein assigned, and 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 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 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.

In witness whereof, we have signed our name(s) on the date set forth below.

Inventor Signature: _____


Inventor Name: Marcus Oliver WIGAND

Date: _____

02/24/2012

Witness Signature: _____

Date: _____

Witness Name: _____

Inventor Signature: _____

Inventor Name: Mark Dean LOONEY

Date: _____

Witness Signature: _____

Date: _____

Witness Name: _____

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Mark Dean Looney of Houston, Texas

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NOW, THEREFORE, for a valuable consideration, the receipt of which is hereby acknowledged, we, hereby sell, assign, transfer and set over unto said *CHEVRON U.S.A. INC.*, its successors and assigns, the 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;

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Title of the Invention: PREPARATION AND USE OF NANO-CATALYSTS FOR IN SITU REACTION WITH KEROGEN
Attorney Docket No.: 70205.0246US01

In witness whereof, we have signed our name(s) on the date set forth below.

Inventor Signature: _____
Inventor Name: Marcus Oliver WIGAND

Date: _____

Witness Signature: _____

Date: _____

Witness Name: _____

Inventor Signature: Mark Dean Looney
Inventor Name: Mark Dean LOONEY

Date: April 2, 2012

Witness Signature: Delia Flores

Date: 4/2/2012

Witness Name: DELIA FLORES