

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>Bruce Reynolds</td><td>09/16/2008</td></tr><tr><td>Julie Chabot</td><td>09/16/2008</td></tr><tr><td>Shuwu Wang</td><td>09/16/2008</td></tr><tr><td>Erin Marris</td><td>09/16/2008</td></tr><tr><td>Vivion Andrew Brennan</td><td>09/16/2008</td></tr><tr><td>Bo Kou</td><td>09/16/2008</td></tr></tbody></table>	Name	Execution Date	Bruce Reynolds	09/16/2008	Julie Chabot	09/16/2008	Shuwu Wang	09/16/2008	Erin Marris	09/16/2008	Vivion Andrew Brennan	09/16/2008	Bo Kou	09/16/2008	
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Vivion Andrew Brennan	09/16/2008														
Bo Kou	09/16/2008														
RECEIVING PARTY DATA															
Name:	CHEVRON U.S.A. INC														
Street Address:	6001 Bollinger Canyon Road														
City:	San Ramon														
State/Country:	CALIFORNIA														
Postal Code:	94583														
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>12233439</td></tr></tbody></table>	Property Type	Number	Application Number:	12233439											
Property Type	Number														
Application Number:	12233439														
CORRESPONDENCE DATA															
Fax Number:	(925)842-2051														
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>															
Phone:	925-842-1536														
Email:	KAllgower@Chevron.com														
Correspondent Name:	CHEVRON CORPORATION														
Address Line 1:	P.O. BOX 6006														
Address Line 4:	SAN RAMON, CALIFORNIA 94583-0806														
ATTORNEY DOCKET NUMBER:	T-7472C														
NAME OF SUBMITTER:	Hanh Pham														

CH \$40.00 12233439

PATENT

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REEL: 021553 FRAME: 0277

Total Attachments: 6

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ASSIGNMENT

WHEREAS, we, **Julie Chabot** residing in the City of Novato, County of Marin, State of California; **Bo Kou**, residing in the City of Novato, County of Marin, State of California; **Vivion Andrew Brennan**, residing in the City of San Francisco, County of San Francisco, State of California; **Erin Maris**, residing in the City of Alameda, County of Alameda, State of California; **Shuwu Yang**, residing in the City of Richmond, County of Contra Costa, State of California; and **Bruce Reynolds**, residing in the City of Martinez, County of Contra Costa, State of California, have invented new and useful improvements in:

"SYSTEMS AND METHODS FOR PRODUCING A CRUDE PRODUCT"

set forth in an application for Letters Patent of the United States,

☒ having an oath or declaration executed on even date herewith;

☐ bearing Serial No. _____ and filed on _____; 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 entire right, title and interest in and to said invention, and in and to the Letters Patent to be granted and issued therefore:

NOW, THEREFORE, for a valuable consideration, the receipt of which is hereby acknowledged, I, **Shuwu Yang**, the said ASSIGNOR, does hereby sell, assign, transfer and set over unto said CHEVRON U.S.A. INC., its successors and assigns, the entire right, title and interest in and to said invention, and in and to all Letters Patent to be granted and issued therefore, not only for, to and in the United States of America, but for, to and in all other countries; and I hereby authorize and request the Commissioner for Patents to issue said Letters Patent in accordance with this Assignment.

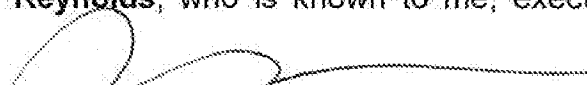
SIGNED my hand at Richmond, California, this 16 day of September, 2008.



Bruce Reynolds

STATEMENT BY WITNESS

I, Hanh T. Pham, whose full post office address is 1608 Willow Lake Rd
Discovery Bay CA 94705, was personally present and did see **Bruce Reynolds**, who is known to me, execute the above assignment.



Signature of Witness

ASSIGNMENT

WHEREAS, we, **Julie Chabot** residing in the City of Novato, County of Marin, State of California; **Bo Kou**, residing in the City of Novato, County of Marin, State of California; **Vivion Andrew Brennan**, residing in the City of San Francisco, County of San Francisco, State of California; **Erin Maris**, residing in the City of Alameda, County of Alameda, State of California; **Shuwu Yang**, residing in the City of Richmond, County of Contra Costa, State of California; and **Bruce Reynolds**, residing in the City of Martinez, County of Contra Costa, State of California, have invented new and useful improvements in:

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NOW, THEREFORE, for a valuable consideration, the receipt of which is hereby acknowledged, I, **Julie Chabot**, the said ASSIGNOR, does hereby sell, assign, transfer and set over unto said CHEVRON U.S.A. INC., its successors and assigns, the entire right, title and interest in and to said invention, and in and to all Letters Patent to be granted and issued therefore, not only for, to and in the United States of America, but for, to and in all other countries; and I hereby authorize and request the Commissioner for Patents to issue said Letters Patent in accordance with this Assignment.

SIGNED my hand at Richmond, California, this 16 day of September, 2008.



JULIE CHABOT

STATEMENT BY WITNESS

I, Jean Salberg, whose full post office address is 1733 Grant St
Berkeley, CA 94703, was personally present and did see **Julie Chabot**, who is known to me, execute the above assignment.



Signature of Witness

A S S I G N M E N T

WHEREAS, we, **Julie Chabot** residing in the City of Novato, County of Marin, State of California; **Bo Kou**, residing in the City of Novato, County of Marin, State of California; **Vivion Andrew Brennan**, residing in the City of San Francisco, County of San Francisco, State of California; **Erin Maris**, residing in the City of Alameda, County of Alameda, State of California; **Shuwu Yang**, residing in the City of Richmond, County of Contra Costa, State of California; and **Bruce Reynolds**, residing in the City of Martinez, County of Contra Costa, State of California, have invented new and useful improvements in:

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NOW, THEREFORE, for a valuable consideration, the receipt of which is hereby acknowledged, I, **Shuwu Yang**, the said ASSIGNOR, does hereby sell, assign, transfer and set over unto said CHEVRON U.S.A. INC., its successors and assigns, the entire right, title and interest in and to said invention, and in and to all Letters Patent to be granted and issued therefore, not only for, to and in the United States of America, but for, to and in all other countries; and I hereby authorize and request the Commissioner for Patents to issue said Letters Patent in accordance with this Assignment.

SIGNED my hand at Richmond, California, this 16 day of September, 2008.


SHUWU YANG

STATEMENT BY WITNESS

I, Jean Salberg, whose full post office address is 1733 Grant St
Berkeley, CA 94703, was personally present and did see **Shuwu Yang**, who is known to me, execute the above assignment.


Signature of Witness

ASSIGNMENT

WHEREAS, we, **Julie Chabot** residing in the City of Novato, County of Marin, State of California; **Bo Kou**, residing in the City of Novato, County of Marin, State of California; **Vivion Andrew Brennan**, residing in the City of San Francisco, County of San Francisco, State of California; **Erin Maris**, residing in the City of Alameda, County of Alameda, State of California; **Shuwu Yang**, residing in the City of Richmond, County of Contra Costa, State of California; and **Bruce Reynolds**, residing in the City of Martinez, County of Contra Costa, State of California, have invented new and useful improvements in:

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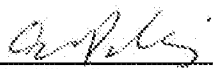
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NOW, THEREFORE, for a valuable consideration, the receipt of which is hereby acknowledged, I, **Erin Maris**, the said ASSIGNOR, does hereby sell, assign, transfer and set over unto said CHEVRON U.S.A. INC., its successors and assigns, the entire right, title and interest in and to said invention, and in and to all Letters Patent to be granted and issued therefore, not only for, to and in the United States of America, but for, to and in all other countries; and I hereby authorize and request the Commissioner for Patents to issue said Letters Patent in accordance with this Assignment.

SIGNED my hand at Richmond, California, this 16th day of September, 2008.



ERIN MARIS

STATEMENT BY WITNESS

I, Sean Salberg, whose full post office address is 1733 Grant St
Berkeley, CA 94703, was personally present and did see **Erin Maris**, who is known to me, execute the above assignment.



 Signature of Witness

ASSIGNMENT

WHEREAS, we, **Julie Chabot** residing in the City of Novato, County of Marin, State of California; **Bo Kou**, residing in the City of Novato, County of Marin, State of California; **Vivion Andrew Brennan**, residing in the City of San Francisco, County of San Francisco, State of California; **Erin Maris**, residing in the City of Alameda, County of Alameda, State of California; **Shuwu Yang**, residing in the City of Richmond, County of Contra Costa, State of California; and **Bruce Reynolds**, residing in the City of Martinez, County of Contra Costa, State of California, have invented new and useful improvements in:

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NOW, THEREFORE, for a valuable consideration, the receipt of which is hereby acknowledged, I, **Vivion Andrew Brennan**, the said ASSIGNOR, does hereby sell, assign, transfer and set over unto said CHEVRON U.S.A. INC., its successors and assigns, the entire right, title and interest in and to said invention, and in and to all Letters Patent to be granted and issued therefore, not only for, to and in the United States of America, but for, to and in all other countries; and I hereby authorize and request the Commissioner for Patents to issue said Letters Patent in accordance with this Assignment.

SIGNED my hand at Richmond, California, this 16 day of September, 2008.

Vivion Andrew Brennan
Vivion Andrew Brennan

STATEMENT BY WITNESS

I, Sean Solberg, whose full post office address is 1733 Grant St, Berkeley
CA 94703, was personally present and did see **Vivion Andrew Brennan**, who is known to me, execute the above assignment.

Sean Solberg
Signature of Witness

Bk
09/16/08

ASSIGNMENT

WHEREAS, we, **Julie Chabot** residing in the City of Novato, County of Marin, State of California; **Bo Kou**, residing in the City of Novato, County of Marin, State of California; **Vivion Andrew Brennan**, residing in the City of San Francisco, County of San Francisco, State of California; **Erin Maris**, residing in the City of Alameda, County of Alameda, State of California; **Shuwu Yang**, residing in the City of Richmond, County of Contra Costa, State of California; and **Bruce Reynolds**, residing in the City of Martinez, County of Contra Costa, State of California, have invented new and useful improvements in:

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NOW, THEREFORE, for a valuable consideration, the receipt of which is hereby acknowledged, I, **Bo Kou**, the said ASSIGNOR, does hereby sell, assign, transfer and set over unto said CHEVRON U.S.A. INC., its successors and assigns, the entire right, title and interest in and to said invention, and in and to all Letters Patent to be granted and issued therefore, not only for, to and in the United States of America, but for, to and in all other countries; and I hereby authorize and request the Commissioner for Patents to issue said Letters Patent in accordance with this Assignment.

SIGNED my hand at Richmond, California, this 16 day of September, 2008.



Bo Kou

STATEMENT BY WITNESS

I, Jean Salberg, whose full post office address is 1733 Grant St
Berkeley, CA 94703, was personally present and did see **Bo Kou**, who is known to me, execute the above assignment.



Signature of Witness

PATENT