

Docket No.: 2010EM154

Form PTO-1585 (Modified)

RECORDATION FORM COVER SHEET **PATENTS ONLY**

U.S. DEPARTMENT OF COMMERCE

U. S. Patent and Trademark Office

To the Director of the U. S. Patents and Trademark Office: Please record the attached documents below:

1. Name of conveying party(ies):

Randy C. Tolman July 21, 2011

Pavlin B. Entchev July 21, 2011

Renzo M. Angeles Boza August 3, 2011

Dennis H. Petrie July 26, 2011

Kevin H. Searles August 3, 2011

Abdel Wadood M. El-Rabaa July 27, 2011

Additional name(s) of conveying party(ies) ☐ Yes ☒ No**3. Nature of conveyance/Execution Date(s):**

☒ Assignment ☐ Merger

☐ Security Agreement ☐ Change of Name

☐ Other: _____

Execution Date: July 21, 26, 27 and Aug. 3, 2011

2. Name and address of receiving party(ies):

Name: ExxonMobil Upstream Research Company

Internal Address CORP-URC-SW359

Mailing Address: P. O. Box 2189

City, State, Zip: Houston, TX 77252-2189

Country: United States of America

Additional name(s) & address(es) attached? ☐ Yes ☒ No☐ This document is being filed together with a new application.**4. Application or patent number(s):**

A. Patent Application No.

PCT/US2011/038202

B. Patent No.(s)

Additional numbers attached? ☐ Yes ☒ No**5. Name and address of party to whom correspondence concerning document should be mailed:**

Name: Rick F. James, Reg. No. 48,772

Internal Address ExxonMobil Upstream Research Company

Street Address P. O. Box 2189, CORP-URC-SW359

City, State, Zip Houston, TX 77252-2189

Phone Number: 713-431-4563

Email address: urc-mail-formalities@exxonmobil.com

6. Total number of applications and patents involved: 1**7. Total fee (37 CFR 1.21(h) & 3.41):..... \$40.00**☒ Authorized to be charged to deposit account☐ Enclosed☐ None required (government interest not affecting title)**8. Payment Information**

Deposit Account Number: 05-1328

9. Signature:

Rick F. James

Name of Person Signing



Signature

8/4/11

Date

Total number of pages including cover sheet, attachments, and document: 7

CH \$40.00 051328 US1138202

ASSIGNMENT

Inventor or Inventors: Randy C. Tolman, Pavlin B. Entchev, Renzo M. Angeles Boza, Dennis H. Petrie, Kevin H. Searles, and Abdel Wadood M. El-Rabaa

In consideration of Ten Dollars (\$10.00) and other good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, the undersigned person(s) (hereinafter referred to as UNDERSIGNED) hereby agree(s) as follows:

UNDERSIGNED hereby assign(s) to ExxonMobil Upstream Research Company, a Delaware corporation having offices at 3120 Buffalo Speedway, Houston, Texas, its successors, legal representatives and assigns (hereinafter referred to collectively as ASSIGNEE), free from all encumbrances, the entire right, title and interest, including all rights to sue for past infringement, for the United States and all foreign countries and patent offices or organizations, in and to all inventions, discoveries or improvements, claimed or described in the document entitled "**Assembly and Method for Multi-Zone Fracture Stimulation of a Reservoir Using Autonomous Tubular Units**", and further identified as Attorney Docket No. **2010EM154**, and Serial No. PCT/US2011/038202, filed at the U.S. Patent and Trademark office on **May 26, 2011**, (hereinafter referred to as the APPLICATION), including the right to claim priority to the APPLICATION in the United States or any foreign country under the Paris Convention or equivalent reciprocal provisions for any subsequent application, continuations, continuations-in-part, divisions, reissues, reexaminations, and extensions thereof in the United States or any foreign country (hereinafter referred to collectively as PATENT FILINGS); and further including all Letters Patent of the United States or any foreign country that may be granted thereon (hereinafter referred to collectively as ISSUED PATENTS); and UNDERSIGNED hereby authorizes and requests the Commissioner of Patents and Trademarks of the United States and any official of any foreign country or patent office or organization whose duty it is to issue patents on applications as described above, to issue all ISSUED PATENTS to ASSIGNEE, in accordance with the terms of this Assignment.

UNDERSIGNED agree(s) upon the request of ASSIGNEE to perform any and all affirmative acts to obtain United States and foreign patents, including at least: to execute any and all applications for United States or foreign patents for the APPLICATION and the PATENT FILINGS, and any documents that shall be required of UNDERSIGNED to be executed in connection with the APPLICATION, the PATENT FILINGS, or any ISSUED PATENTS, including, but not limited to priority claims therefor, continuations or substitutes therefor, prosecution thereof, any lawful oaths, declarations, affidavits, or other papers relating thereto, and any specific separate assignments of any of the above required for recording in the United States Patent and Trademark Office or other foreign country or patent office or patent organization, that ASSIGNEE may deem necessary or expedient.

UNDERSIGNED agree(s) that in the event of any application based on the APPLICATION or the PATENT FILINGS, or any reissue or application for the reissue thereof, becoming involved in interference proceedings, UNDERSIGNED will cooperate with ASSIGNEE to the best of the ability of UNDERSIGNED in the matter of preparing

and executing preliminary statements and giving and producing evidence in support thereof.

IN WITNESS WHEREOF, this Assignment has been executed by UNDERSIGNED on the date opposite UNDERSIGNED'S name.

DATE

7/21/11
Randy C. Tolman

Witness

Date

7-21-11

DATE

7/21/11
Pavlo B. Entchev

Witness

Date

7-21-11

DATE

8/3/2011
Renzo M. Angeles Boza

Witness

Date

8-3-11

DATE


Dennis H. Petrie

Witness

Date

DATE

08/03/11Kevin H. Searles
Kevin H. SearlesMargaret Mewach 8-3-11

Witness

Date

DATE

7/27/2011Abdel Wadood M. El-Rabaa

Abdel Wadood M. El-Rabaa

Margaret Mewach 7-27-11

Witness

Date

ASSIGNMENT

Inventor or Inventors: Randy C. Tolman, Pavlin B. Entchev, Renzo M. Angeles Boza, Dennis H. Petrie, Kevin H. Searles, and Abdel Wadood M. El-Rabaa

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UNDERSIGNED hereby assign(s) to ExxonMobil Upstream Research Company, a Delaware corporation having offices at 3120 Buffalo Speedway, Houston, Texas, its successors, legal representatives and assigns (hereinafter referred to collectively as ASSIGNEE), free from all encumbrances, the entire right, title and interest, including all rights to sue for past infringement, for the United States and all foreign countries and patent offices or organizations, in and to all inventions, discoveries or improvements, claimed or described in the document entitled "**Assembly and Method for Multi-Zone Fracture Stimulation of a Reservoir Using Autonomous Tubular Units**", and further identified as Attorney Docket No. **2010EM154**, and Serial No. PCT/US2011/038202, filed at the U.S. Patent and Trademark office on **May 26, 2011**, (hereinafter referred to as the APPLICATION), including the right to claim priority to the APPLICATION in the United States or any foreign country under the Paris Convention or equivalent reciprocal provisions for any subsequent application, continuations, continuations-in-part, divisions, reissues, reexaminations, and extensions thereof in the United States or any foreign country (hereinafter referred to collectively as PATENT FILINGS); and further including all Letters Patent of the United States or any foreign country that may be granted thereon (hereinafter referred to collectively as ISSUED PATENTS); and UNDERSIGNED hereby authorizes and requests the Commissioner of Patents and Trademarks of the United States and any official of any foreign country or patent office or organization whose duty it is to issue patents on applications as described above, to issue all ISSUED PATENTS to ASSIGNEE, in accordance with the terms of this Assignment.

UNDERSIGNED agree(s) upon the request of ASSIGNEE to perform any and all affirmative acts to obtain United States and foreign patents, including at least: to execute any and all applications for United States or foreign patents for the APPLICATION and the PATENT FILINGS, and any documents that shall be required of UNDERSIGNED to be executed in connection with the APPLICATION, the PATENT FILINGS, or any ISSUED PATENTS, including, but not limited to priority claims therefor, continuations or substitutes therefor, prosecution thereof, any lawful oaths, declarations, affidavits, or other papers relating thereto, and any specific separate assignments of any of the above required for recording in the United States Patent and Trademark Office or other foreign country or patent office or patent organization, that ASSIGNEE may deem necessary or expedient.

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and executing preliminary statements and giving and producing evidence in support thereof.

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DATE _____

Randy C. Tolman

Witness

Date

DATE _____

Pavlin B. Entchev

Witness

Date

DATE _____

Renzo M. Angeles Boza

Witness

Date

DATE July 26, 2011

Dennis H. Petrie
Dennis H. Petrie

Sandra Petrie
Witness

7/26/2011
Date

DATE _____

Kevin H. Searles_____
Witness_____
Date

DATE _____

Abdel Wadood M. El-Rabaa_____
Witness_____
Date