

PATENT ASSIGNMENT

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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>Ivan Fabrizio Lunati</td> <td>01/05/2011</td> </tr> <tr> <td>Manav Tyagi</td> <td>01/03/2011</td> </tr> <tr> <td>Seong H. Lee</td> <td>12/28/2010</td> </tr> </tbody> </table>		Name	Execution Date	Ivan Fabrizio Lunati	01/05/2011	Manav Tyagi	01/03/2011	Seong H. Lee	12/28/2010
Name	Execution Date								
Ivan Fabrizio Lunati	01/05/2011								
Manav Tyagi	01/03/2011								
Seong H. Lee	12/28/2010								
RECEIVING PARTY DATA									
Name:	CHEVRON U.S.A. INC.								
Street Address:	6001 BOLLINGER CANYON ROAD								
City:	SAN RAMON								
State/Country:	CALIFORNIA								
Postal Code:	94583								
Name:	SCHLUMBERGER TECHNOLOGY CORPORATION								
Street Address:	5599 SAN FELIPE, SUITE 1700								
City:	HOUSTON								
State/Country:	TEXAS								
Postal Code:	77056								
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>12912958</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	12912958				
Property Type	Number								
Application Number:	12912958								
CORRESPONDENCE DATA									
Fax Number:	9258422051								
Phone:	713-372-9105								
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 Corporation								
Address Line 1:	P O Box 6006								

CH \$40.00 12912958

Address Line 4: San Ramon, CALIFORNIA 94583

ATTORNEY DOCKET NUMBER:

T-7972/CNVA

NAME OF SUBMITTER:

Craig Vander Ploeg

Total Attachments: 7

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ASSIGNMENT

WHEREAS, I / We,

IVAN FABRIZIO LUNATI, of Rue Pré-du-Marché 5, Lausanne, Switzerland 1004;
MANAV TYAGI, of Birmensdorferstrasse 93, Zürich, Switzerland 8003; and
SEONG H. LEE, of 2901 Buena Vista Way, Berkeley, CA 94708;

have invented new and useful improvements in

"MULTISCALE FINITE VOLUME METHOD FOR RESERVOIR SIMULATION"

set forth in an application for Letters Patent of the United States bearing Serial No. 12/912,958 and filed on October 27, 2010, which claims the benefit of United States Provisional Application bearing Serial No. 61/255766, filed on October 28, 2009; and

WHEREAS, the **"ENTITIES"**, listed in Schedule **"A"**, are 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 therefor:

NOW, THEREFORE, for a valuable consideration, the receipt of which is hereby acknowledged, I / We, hereby sell, assign, transfer and set over unto said **ENTITIES**, their successors and assigns, the entire right, title and interest in and to said invention, the said application and all divisions, continuations, reexaminations, and reissues thereof, and in and to all Letters Patent 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 which may be granted, 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 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.

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

Inventor 
IVAN FABRIZIO LUNATI

Date January 8, 2011

Witness 
Witness name ROUVEN KÜNZE

Date January 8, 2011

Inventor _____
MANAV TYAGI

Date _____

Witness _____
Witness name _____

Date _____

Inventor _____
SEONG H. LEE

Date _____

Witness _____
Witness name _____

Date _____

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.

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

Inventor _____ Date _____
IVAN FABRIZIO LUNATI

Witness _____ Date _____
Witness name _____

Inventor Manav Tyagi _____ Date Jan 03, 2011
MANAV TYAGI

Witness [Signature] _____ Date Jan 03, 2011
Witness name [Signature]

Inventor _____ Date _____
SEONG H. LEE

Witness _____ Date _____
Witness name _____

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.

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

Inventor _____
IVAN FABRIZIO LUNATI

Date _____

Witness _____

Date _____

Witness name _____

Inventor _____
MANAV TYAGI

Date _____

Witness _____

Date _____

Witness name _____

Inventor *Seong H. Lee*
SEONG H. LEE

Date 12/28/2010

Witness *Alan Bernath*

Date 12/28/2010

Witness name ALAN BERNATH

SCHEDULE "A"

CHEVRON U.S.A. INC., a corporation organized and existing under and by virtue of the laws of the Commonwealth of Pennsylvania, having a business address at:

6001 Bollinger Canyon Road
San Ramon, California 94583

and

Schlumberger Technology Corporation, a corporation organized and existing under and by the laws of the State of Texas, having a business address at:

5599 San Felipe, Suite 1700
Houston, Texas, 77056, U.S.A.

as tenants-in-common for the **United States of America only.**

CHEVRON U.S.A. INC., a corporation organized and existing under and by virtue of the laws of the Commonwealth of Pennsylvania, having a business address at:

6001 Bollinger Canyon Road
San Ramon, California 94583

and

Schlumberger Canada Limited, a corporation organized and existing under and by the laws of Canada having a business address at:

525- 3rd Avenue S.W.
Calgary Alberta
Canada T2P 0G4

as tenants-in-common assignees for **Canada only.**

CHEVRON U.S.A. INC., a corporation organized and existing under and by virtue of the laws of the Commonwealth of Pennsylvania, having a business address at:

6001 Bollinger Canyon Road
San Ramon, California 94583

and

Services Petroliers Schlumberger, a corporation organized and existing under and by the laws of France, having a business address at:

41 rue Saint Dominique
75007 Paris
France

as tenants-in-common assignees for **France only**.

CHEVRON U.S.A. INC., a corporation organized and existing under and by virtue of the laws of the Commonwealth of Pennsylvania, having a business address at:

6001 Bollinger Canyon Road
San Ramon, California 94583

and

Logined B.V., a corporation organized and existing under and by the laws of the Netherlands, having a business address at:

Gevers Deynootweg 61
2586 BJ Den Haag
The Netherlands

as tenants-in-common assignees for the following countries:

Albania, Algeria, Argentina, Armenia, Australia, Austria, Azerbaijan, Bahrain, Belarus, Brunei, Brazil, Bulgaria, Cameroon, Colombia, Czech Republic, Denmark, Ecuador, Egypt, Faroe Islands, Gabon, Germany, Great Britain, Greece, Hungary, Indonesia, Ireland, Israel, Italy, Japan, Kazakhstan, Korea, Kuwait, Kyrgyzstan, Libya, Lithuania, Malaysia, Mexico, Moldova, Myanmar, Netherlands, New Zealand, Norway, Oman, Pakistan, Poland, Portugal, Qatar, Romania, Russian Federation, Saudi Arabia, Slovakia, Slovenia, South Africa, Spain, Sudan, Sweden, Syria, Tajikistan, Thailand, Trinidad, Tunisia, Turkey, Turkmenistan, Ukraine, United Arab Emirates, Uzbekistan, Venezuela and Yemen.

CHEVRON U.S.A. INC, a corporation organized and existing under and by virtue of the laws of the Commonwealth of Pennsylvania, having a business address at:

6001 Bollinger Canyon Road
San Ramon, California 94583

and

PRAD Research and Development Limited., a corporation organized and existing under and by the laws of the British Virgin Islands, having a business address at:

Craigmuir Chambers
Road Town, Tortola
British Virgin Islands

as tenants-in-common assignees for all other countries not designated otherwise above.