

PATENT ASSIGNMENT

Electronic Version v1.1

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SUBMISSION TYPE:

NEW ASSIGNMENT

NATURE OF CONVEYANCE:

ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
Paul Childs	07/04/2008
David DeBaun	07/08/2008
Thomas J. Byer	07/08/2008

RECEIVING PARTY DATA

Name:	Schlumberger Technology Corporation
Street Address:	5599 San Felipe, Suite 1700
City:	Houston
State/Country:	TEXAS
Postal Code:	77056

Name:	Chevron U.S.A. Inc.
Street Address:	P.O. Box 6006
City:	San Ramon
State/Country:	CALIFORNIA
Postal Code:	94583

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	11290995

CORRESPONDENCE DATA

Fax Number: (713)754-2944

Correspondence will be sent via US Mail when the fax attempt is unsuccessful.

Email: cnorthcutt@chevron.com

Correspondent Name: Christopher D. Northcutt

Address Line 1: P.O. Box 4368

Address Line 4: Houston, TEXAS 77210

500587714

PATENT
REEL: 021211 FRAME: 0114

CH \$40.00 11290995

ATTORNEY DOCKET NUMBER:

T-6466

NAME OF SUBMITTER:

Christopher D. Northcutt

Total Attachments: 7

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ASSIGNMENT

WHEREAS, the undersigned inventors, hereinafter referred to as the "Inventors", each said Inventor's address being listed below

Paul
Paul Childs, citizen of the **United Kingdom of Great Britian**, whose post office address is: ~~36 Redgate Road, Girton Cambridge CB3 0PP, United Kingdom.;~~

40 Gilbert Road, Cambridge CB4 3PE
David DeBaun citizen of the **United States of America**, whose post office address is: 115 Freesia Court, Danville, California 94506, U.S.A.; and

Thomas J. Byer, citizen of **United States of America**, whose post office address is: 1044 West Roses Road, San Gabriel, California 91775, 94402, U.S.A.

Has/have invented certain new and useful improvements in

METHOD, SYSTEM AND PROGRAM STORAGE DEVICE FOR SIMULATING FLUID FLOW IN A PHYSICAL SYSTEM USING A DYNAMIC COMPOSITION BASED EXTENSIBLE OBJECT-ORIENTED ARCHITECTURE

as described and set forth in an application for Letters Patent of the United States of America, bearing Non-Provisional U.S. Serial No. 11/290,995 filed on November 29, 2005; and Provisional U.S. Serial No. 60/631,661, filed on November 29, 2004.

WHEREAS each of the undersigned persons warrants that no person other than these undersigned persons are inventors of the above-described invention;

AND WHEREAS, the "**ENTITIES**", listed in **Schedule "A"**, are desirous of acquiring or confirming their acquisition of the entire right, title and interest in and to said invention, inventions or improvements, and in and to said application, and in and to any and all patents, both of the United States and of all foreign countries, that may be obtained therefore **as outlined in Schedule "A"**;

NOW, THEREFORE, TO ALL WHOM IT MAY CONCERN, BE IT KNOWN, that the undersigned Inventors, for good and valuable considerations, the receipt and sufficiency of which hereby acknowledge, have sold, assigned, transferred and conveyed, and by this assignment do sell, assign, transfer and convey, unto said COMPANIES, their successors and assigns, the entire right, title and interest throughout the world, in and to the above-described invention, inventions or improvements described or set forth in said application, in any form or embodiment thereof, and in and to said application, and in and to any applications filed in any foreign country based thereon, including the right to file foreign applications under the provisions of any convention or treaty; and in and to any confirmation, divisional, continuation, continuation-in-part, or substitute application which may be filed on said invention, inventions or improvements in the United States or in any foreign country; and in and to any and all patents, certificates, utility models, reissues, extensions, additions or confirmations thereof which may be granted in the United States or in any foreign country upon said invention, inventions or improvements,

TO HAVE AND TO HOLD the same to the full end of the term or terms for which any and all such United States and foreign patents and grants may be issued on said invention, inventions or improvements.

AND said Inventors do hereby authorize and request the issuing authority to issue any and all of said United States and foreign patents on said application or applications to said **ENTITIES**, their successors and assigns, as the assignee of the entire right, title and interest in and to the same, for the sole use and benefit of said **ENTITIES**, their successors and assigns.

AND said Inventors do hereby covenant and warrant that said Inventors have full right to convey the entire right, title and interest herein assigned free and clear of all licenses, encumbrances and liens whatsoever, and that no said Inventors has executed and will execute any instruments in conflict herewith.

AND said Inventors, for the conditions aforesaid, do hereby covenant and agree to and with the said **ENTITIES**, their successors and assigns, that each Inventor, his or her executors, administrators, or other personal representatives, shall and will do all lawful acts and things, make all rightful oaths, and make, execute and deliver any and all other instruments in writing, and any and all further applications, papers, powers, affidavits, assignments, disclaimers and other documents, which in the opinion of counsel for said **ENTITIES**, their successors and assigns, may be required or necessary in this or in any foreign country more effectually to secure to and vest in said **ENTITIES**, their successors and assigns, the entire right, title and interest in and to said invention, inventions or improvements, application or applications, patents, rights, titles, benefits, privileges, and advantages hereby sold, assigned, confirmed, transferred and conveyed.

WITNESSED:

BE IT KNOWN that **PAUL CHILDS** is to me known to be the individual described in the foregoing assignment, that on this 4TH day of JULY, 2008 I was personally present and did see him sign and execute the foregoing assignment; and, that he did acknowledge to me that he executed the same as his free act and deed for the uses and purposes therein set forth.

V Kostov
Witness

Clement Kostov
26 Church Street
Great Witleham
Cambs CB215JG, UK
Post Office Address

M J Dill
Witness

MICHAEL WILLIAMS
217 Beresford Road
Ely
CB6 3WN
Post Office Address

IN WITNESS WHEREOF, I, **PAUL CHILDS**, have hereunto set my hand and seal this day of 4TH JULY, 2008.

Paul N Childs
(Signature of PAUL CHILDS)

WITNESSED:

BE IT KNOWN that **DAVID DeBAUN** is to me known to be the individual described in the foregoing assignment, that on this 8 day of July, 2008, I was personally present and did see him sign and execute the foregoing assignment; and, that he did acknowledge to me that he executed the same as his free act and deed for the uses and purposes therein set forth.

IN WITNESS WHEREOF, I, **DAVID DeBAUN**, have hereunto set my hand and seal this 8 day of July, 2008.


(Signature of DAVID DeBAUN)

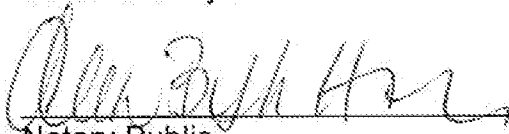
State of California)

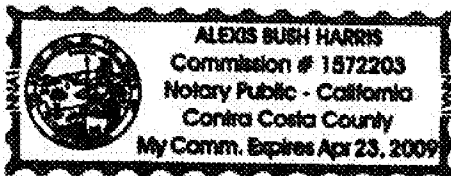
County of Contra Costa)

BEFORE ME this 8 day of July, 2008, before me, ALEXIS BUSH HARRIS, a notary public, personally appeared **DAVID DeBAUN**, who proved to me on the basis of satisfactory evidence to be the person whose name is subscribed to the within instrument and acknowledged to me that he executed the same in his authorized capacity, and that by his signature on the instrument the person, or the entity upon behalf of which the person acted, executed the within instrument.

I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct.

WITNESS my hand and official seal.


Notary Public



WITNESSED:

BE IT KNOWN that THOMAS J. BYER is to me known to be the individual described in the foregoing assignment, that on this 8th day of JULY, 2008, I was personally present and did see him sign and execute the foregoing assignment; and, that he did acknowledge to me that he executed the same as his free act and deed for the uses and purposes therein set forth.

IAN C. PALLISTER

Witness

Ian C Pallister27, NORRIS CLOSEABINGDON, OXONOX14 2RL, ENGLAND

Post Office Address

DAVID ALAN EDWARDS

Witness

David Alan EdwardsROCK HOUSECURRY MALET, TAUNTONTA3 6DW U.K.

Post Office Address

IN WITNESS WHEREOF, I, THOMAS J. BYER,
have hereunto set my hand and seal this
day of July 8, 2008.

Thomas J Byer.

THOMAS J. BYER

SCHEDULE "A"

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.

and

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

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

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

and

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

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

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

and

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

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

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

and

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

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

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

and

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

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