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To the Director of the United States Patent and Trademark Office: Please record the attached documents or the new address(es) below.

1. Name of conveying party(ies):
Ganglin Chen
Dominique Gillard
Matthias Imhof

Additional names(s) of conveying party(ies) attached? Yes No

2. Name and address of receiving party(ies):
 Name: ExxonMobil Upstream Research Company
 Internal Address: _____

3. Nature of conveyance/Execution Date(s):
 Execution Date(s): November 24, 2009

Assignment Merger
 Security Agreement Change of Name
 Joint Research Agreement
 Government Interest Assignment
 Executive Order 9424, Confirmatory License
 Other _____

Street Address: P.O. Box 2189

 City: Houston
 State: Texas
 Country: USA ZIP: 77252-2189

Additional name(s) & address(es) attached? Yes No

4. Application or patent numbers(s):
 A. Patent Application No.(s)
12/623,130

Additional numbers attached? Yes No

This document is being filed together with a new application.
 B. Patent No.(s)

5. Name and address to whom correspondence concerning document should be mailed:
 Name: J. Paul Plummer
 Internal Address: _____
ExxonMobil Upstream Research Company
 Street Address: P.O. Box 2189

 City: Houston
 State: Texas ZIP: 77252
 Phone Number: 713-431-7360
 Fax Number: 713-431-4664
 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 by credit card
 Authorized to be charged to deposit account
 Enclosed
 None required (government interest not affecting title)

8. Payment Information:
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9. Signature:
J. Paul Plummer Signature Dec. 14, 2009 Date

Name of Person Signing J. Paul Plummer Total number of pages including cover sheet, attachments, and document: **3**

CH \$40.00 051328 12623130

2008EM144B

ASSIGNMENT

Inventor or Inventors: Ganglin Chen, Dominique Gillard and Matthias Imhof,

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 "**Method For Geophysical And Geological Interpretation of Seismic Volumes Using Chronological Panning**", and further identified as Attorney Docket No. 2008EM144/B, and Serial No. 12/623,130, filed at the U.S. Patent and Trademark office on 20 November 2009, (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.

2008EM144B

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

DATE 11/24/2009

Gh M
Ganglin Chen

DATE 24 Nov 2009

Monica Stansberry
Witness: MONICA STANSBERRY

DATE 11/24/2009

D. Gillard
Dominique Gillard

DATE 24 Nov 2009

Monica Stansberry
Witness: MONICA STANSBERRY

DATE 11/24/09

M. G. W
Matthias Imhof

DATE 24 Nov 2009

Monica Stansberry
Witness: MONICA STANSBERRY