713 431 4664 P.001/007

Docket No.: 2011EM114A

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Form PTO-1595 (Modifled) QMB No. 0651-0027	RECORDATION FOR			
	PATENT	U. S. Patent and Trademark Office		
		lease record the attached documents below:		
1. Name of conveying party(i	es):	2. Name and address of receiving party(les):		
Ramesh Neelamani (9/18/20)12) 	Name: ExxonMobil Upstream Research Company		
Partha S. Routh (9/28/2012)		Internal Address CORP-URC-SW359		
Jerome R. Krebs (9/18/2012)	Mailing Address: P. O. Box 2189		
Thomas A. Dickens (9/18/20	12)	City, State, Zip: Houston, TX 77252-2189		
Warren S. Roth (9/18/2012)		Country: United States of America		
Gopalkrishna Palacharla (9/	18/2012)			
Additional name(s) of conveying p	arty(ies)			
3. Nature of conveyance/Exe	cution Date(s):			
Assignment	☐ Merger			
Security Agreement	☐ Change of Name			
Other:				
Execution Date: September 18 and 28, 2012 Additional name(s) & address(es) attached?				
) (((((((((((((((((((☐ This document is being filed together with a new application.		
4. Application or patent numb	er(s):			
A. Patent Application No.	Filing Date	B. Patent No.(s)		
13/614,932	September 13, 2012			
	Additional numbers atta	ached?		
5. Name and address of party to whom correspondence concerning document should be mailed:		6. Total number of applications and patents involved: 1		
		7. Total fee (37 CFR 1.21(h) & 3.41):\$40.00		
Name: J. Paul Plummer, Re	g. No. 40,775	Authorized to be charged to deposit account		
Internal Address ExxonMobil Upstream Research Company		☐ Enclosed		
Street Address P. O. Box 2	189, CORP-URC-SW359	None required (government interest not affecting title)		
City, State, Zip Houston, TX 77252-2189		8. Payment Information		
Phone Number:713-431-73	80	Deposit Account Number: 05-1328		
Email address: urc-mail-form	nalities@exxonmobil.com	·		
9. Signature:				
J. Paul Plumn	(1 David 100		
Name of Person Sig		- - - - - - - - - -		
	Total number of pages including cover sheet, attachments, and document. 7			

PATENT

REEL: 029101 FRAME: 0612

ASSIGNMENT

Inventor or Inventors: Ramesh Neclamani, Partha S. Routh, Jerome R. Krebs, Anatoly Baumstein, Thomas A. Dickens, Warren S. Ross, Gopalkrishna Palacharla

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 "SEISMIC DATA PROCESSING", and further identified as Attorney Docket No. 2011EM114A, and Serial No. 13/614,932, filed at the U.S. Patent and Trademark office on September 13, 2012, (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 agrec(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 9/18/2012

Ramesh Neelamani

Witness

Soto

DATE 9/28/2012

Partha S. Routh

Marcia

<u>4.28.12</u>

DATE 9/18/2012

Jerome R. Krebs

Witness

7. / 8 . Date

DATE 9/18/2012

Anatoly Baumstein

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DATE

Thomas A. Dickens

Witness

Date

Page 2 of 3

PATENT REEL: 029101 FRAME: 0614 DATE 18 Septender 202

Warren S. Ross

713 431 4664

Marcia 9.18.12

ASSIGNMENT

Inventor or Inventors: Ramesh Neelamani, Partha S. Routh, Jerome R. Krebs, Anatoly Baumstein, Thomas A. Dickens, Warren S. Ross, Gopalkrishna Palacharla

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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 "SEISMIC DATA PROCESSING", and further identified as Attorney Docket No. 2011EM114A, and Serial No. 13/614,932, filed at the U.S. Patent and Trademark office on September 13, 2012, (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 Assignmen	nt has been	executed by	UNDERSIGNED	on the da	te
opposite UND	ERSIGNED'S	S name.					

DATE			
		Ramesh Neelamani	
		Witness	Date
DATE			**
		Partha S. Routh	
		Witness	Date
DATE		Jerome R. Krebs	
		Witness	Date
DATE		Anatoly Baumstein	
		Witness	Date
DATE 9/18/	2012	Thomas A. Dickens	
		Edystush Grag Witness	Q-18-2018 Date

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REEL: 029101 FRAME: 0617

OCT-04-2012	05:48	EXXON MOBIL CORP	PORATION	713 431 4664	P.007/007
DATE_			Warren S. Ross		
			Witness	Date	
DATE_			Gopalkrishna Palach	aarla	
			Witness	Date	

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REEL: 029101 FRAME: 0618