Docket No.: PM 98.048 10-04-2001 FORM PTO-1595 (Modified) U.S. DEPARTMENT OF COMMERCE (Rev. 6-93) OMB No. 0651-0011 (exp.4/94) Patent and Trademark Office Copyright 1996-97 LegalStar P08A/REV02 Tab settings -> -> 101864764 To the Honorable Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereof. Name of conveying party(ies) Name and address of receiving party(ies): Jerome R. Krebs Sen-Tsuen Chen Name: ExxonMobil Upstream Research Company Address: P.O. Box 2189 Yes X No Additional names(s) of conveying party(ies) 3. Nature of conveyance: Assignment Merger ☐ Security Agreement ☐ Change of Name City: Houston State/Prov.: TX Country: USA ☐ Other ZIP: 77252-2189 Execution Date: September 20, 2001 Additional name(s) & address(es) Yes ⊠ No 4. Application number(s) or registration numbers(s): If this document is being filed together with a new application, the execution date of the application is: September 20, 2001 Patent Application No. Filing date B. Patent No.(s) ☐ Yes ☐ No Additional numbers 5. Name and address of party to whom correspondence 6. Total number of applications and patents involved: concerning document should be mailed: Name: Keith A. Bell / Gary P. Katz 7. Total fee (37 CFR 3.41):.....\$ 40.00 30,023 / 46,099 Registration No. Enclosed - Any excess or insufficiency should be credited or debited to deposit account Address: ExxonMobil Upstream Research Company Authorized to be charged to deposit account P. O. Box 2189 0/04/2001 STON11 00000033 051328 09961592 8. Deposit account number: 1 FC:581 40.00 CH City: Houston State/Prov.: TX 05-1328 ZIP: 77252-2189 Country: USA DO NOT USE THIS SPACE 9. Statement and signature. To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document. September 24, 2001 Gary P. Katz Date Name of Person Signing Signature Total number of pages including cover sheet, attachments, and

> PATENT REEL: 012210 FRAME: 0623

ASSIGNMENT

Inventor or Inventors: Jerome R. Krebs and Sen T. Chen.

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

UNDERSIGNED hereby assign(s) to ExxonMobil Upstream Research Company, a corporation of Delaware, its successors, legal representatives and assigns, herein referred to collectively as ASSIGNEE, the entire right, title and interest, for the United States and all foreign countries, in and to UNDERSIGNED'S invention, discovery or improvement, described in United States patent application entitled as *Method And Apparatus For Acquiring Offset Checkshot Survey Data Using Tube-Wave Conversion*, Docket Number PM 98.048 which application I(we) have executed concurrently herewith on the date(s) set forth below and in and to said application for patent and any United States patent or patents that may be granted thereon.

UNDERSIGNED agree(s) upon the request of ASSIGNEE to execute any and all applications for United States patent for said invention, discovery or improvement, and any continuations of such applications or substitutes therefor, and any lawful oaths, affidavits, or other papers relating thereto, and any specific separate assignments of any of the above required for recording in the United States Patent Office, that ASSIGNEE may deem necessary or expedient.

UNDERSIGNED agree(s) that in the event of any application based on said assigned invention, discovery or improvement, or patent issued thereon, 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.

UNDERSIGNED agree(s) upon request of ASSIGNEE to execute any and all documents that shall be required of UNDERSIGNED to be executed in connection with any and all applications for foreign patents for said invention, discovery or improvement, including the prosecution thereof and the claiming of the International Convention date therefor and for registration in foreign countries of any patents that may be granted for said invention, discovery or improvement.

UNDERSIGNED agree(s) to perform upon ASSIGNEE'S request any and all affirmative acts to obtain United States and foreign patents upon said invention, discovery or improvement and to vest all rights therein hereby conveyed to ASSIGNEE, as fully and as entirely as the same would have been held and enjoyed by UNDERSIGNED if this assignment and sale had not been made.

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

DATE: 9/2	0/0/	Desome P. Messo
		nventor: Jerome R. Krebs
DATE: 9.20	0. 2001	Witness: MONICA STANSGERAGE
	1	Witness: MONICA STANSGERAY
DATE: 9-19	-01	Se-line Ch-
		nventor: Sen-Tsuen Chen
DATE: 9.19.	2001	Desica Stansbury
		Dirica Stansherry Witness: MONICA STANSIBERRY

RECORDED: 09/24/2001

PATENT REEL: 012210 FRAME: 0624