

08-25-2000



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CONFIRMANCE

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TO: The Commissioner of Patents and Trademarks: Please record the attached original document(s) or copy(ies).

**Submission Type**

**New**

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Document ID#

**Correction of PTO Error**  
Reel #  Frame #

**Corrective Document**  
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**Conveyance Type**

**Assignment**     **Security Agreement**

**License**     **Change of Name**

**Merger**     **Other**

**U.S. Government**  
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**Departmental File**     **Secret File**

**Conveying Party(ies)**

Mark if additional names of conveying parties attached

Name	Execution Date Month Day Year
Name (line 1) <input type="text" value="Tang, Xiaoming"/>	<input type="text" value="07 12 00"/>
Name (line 2) <input type="text"/>	

**Second Party**

Name	Execution Date Month Day Year
Name (line 1) <input type="text" value="Zhang, Tianrun"/>	<input type="text" value="07 12 00"/>
Name (line 2) <input type="text"/>	

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**Receiving Party**

Mark if additional names of receiving parties attached

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Enter for the first Receiving Party only.

Name

Address (line 1)

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Public burden reporting for this collection of information is estimated to average approximately 30 minutes per Cover Sheet to be recorded, including time for reviewing the document and gathering the data needed to complete the Cover Sheet. Send comments regarding this burden estimate to the U.S. Patent and Trademark Office, Chief Information Officer, Washington, D.C. 20231 and to the Office of Information and Regulatory Affairs, Office of Management and Budget, Paperwork Reduction Project (0651-0027), Washington, D.C. 20503. See OMB Information Collection Budget Package 0651-0027, Patent and Trademark Assignment Practice. DO NOT SEND REQUESTS TO RECORD ASSIGNMENT DOCUMENTS TO THIS ADDRESS.

Mail documents to be recorded with required cover sheet(s) information to:  
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**PATENT**  
**REEL: 011015 FRAME: 0923**

**Correspondent Name and Address**

Area Code and Telephone Number

Name

Address (line 1)

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**Pages**

Enter the total number of pages of the attached conveyance document including any attachments.

#

**Application Number(s) or Patent Number(s)**

Mark if additional numbers attached

Enter either the Patent Application Number or the Patent Number (DO NOT ENTER BOTH numbers for the same property).

**Patent Application Number(s)**

**Patent Number(s)**

If this document is being filed together with a new Patent Application, enter the date the patent application was signed by the first named executing inventor.

Month Day Year

**Patent Cooperation Treaty (PCT)**

Enter PCT application number only if a U.S. Application Number has not been assigned.

PCT  PCT  PCT   
PCT  PCT  PCT

**Number of Properties**

Enter the total number of properties involved.

#

**Fee Amount**

Fee Amount for Properties Listed (37 CFR 3.41): \$

Method of Payment:  
Deposit Account

Enclosed  Deposit Account

(Enter for payment by deposit account or if additional fees can be charged to the account.)

Deposit Account Number:

#

Authorization to charge additional fees:

Yes  No

**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. Charges to deposit account are authorized, as indicated herein.

Kaushik P. Sriram

*Kaushik P. Sriram*  
Signature

17 July 02  
Date

Name of Person Signing

## ASSIGNMENT

IN CONSIDERATION OF ONE (1) DOLLAR AND OTHER GOOD AND VALUABLE CONSIDERATION, the receipt, sufficiency and adequacy of which are hereby acknowledged, the undersigned, do/does hereby:

SELL, ASSIGN AND TRANSFER to **BAKER HUGHES INCORPORATED**, having a place of business at **3900 ESSEX LANE, SUITE 1200, HOUSTON, TEXAS 77027**, the entire right, title and interest for the United States and all foreign countries in and to any and all inventions and improvements which are disclosed in the application for United States Letters Patent, which has been executed by the undersigned and is entitled "**METHOD FOR ENHANCING RESOLUTION OF EARTH FORMATION ELASTIC-WAVE VELOCITIES BY ISOLATING A WAVE EVENT AND MATCHING IT FOR ALL RECEIVER COMBINATIONS ON AN ACOUSTIC-ARRAY LOGGING TOOL**", (further identified as U.S. Serial No. 09/597,022, filed June 20, 2000) such application and all divisional, continuing, substitute, renewal, reissue and all other applications for patent which have been or shall be filed in the United States and all foreign countries on any of such inventions or improvements; all original and reissued patents which have been or shall be issued in the United States and all foreign countries on such inventions or improvements; and specifically including the right to file foreign applications under the provisions of any convention or treaty and claim priority based on such application in the United States;

AUTHORIZE AND HEREBY REQUEST the issuing authorities to issue any and all United States and foreign patents granted on such inventions or improvements to **BAKER HUGHES INCORPORATED**;

WARRANT AND COVENANT that no assignment, grant, mortgage, license or other agreement affecting the rights and property herein conveyed has been or will be made to others by the undersigned, and that the full right to convey the same as herein expressed is possessed by the undersigned;

COVENANT, when requested and at the expense of the Assignee, to carry out in good faith the intent and purposes of this assignment, the undersigned will execute all divisional, continuing, substitute, renewal, reissue, and all other patent applications on any and all such improvements; execute all rightful oaths, declarations, assignments, powers of attorney and other papers; communicate to the Assignee all facts known to the undersigned relating to such improvements and the history thereof; and generally do everything possible which the Assignee shall consider desirable for vesting title to such improvements in the Assignee, and for securing, maintaining and enforcing proper patent protection for such improvements;

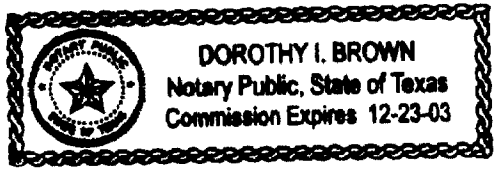
TO BE BINDING on the heirs, assigns, representatives and successors of the undersigned and extend to the successors, assigns and nominees of the Assignee.

IN WITNESS WHEREOF, the undersigned have hereunto subscribed their names on the date set opposite their signatures.

(Signature) Xiaoming Tang Date 7/12/20  
Name: Xiaoming Tang

§  
§

BEFORE ME, the undersigned authority, on this 12th day of July, 2000 personally appeared the person whose name is subscribed to the foregoing instrument and acknowledged to me that he executed the same of his own free will for the purposes and consideration therein expressed.

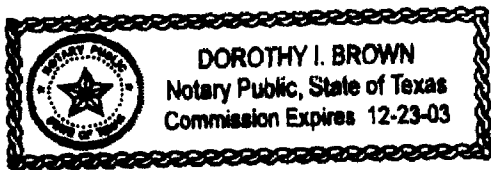


Dorothy I. Brown  
Notary Public

(Signature) Tianrun Zhang Date 7/12/00  
Name: Tianrun Zhang

§  
§

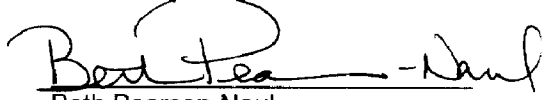
BEFORE ME, the undersigned authority, on this 12th day of July, 2000 personally appeared the person whose name is subscribed to the foregoing instrument and acknowledged to me that he executed the same of his own free will for the purposes and consideration therein expressed.



Dorothy I. Brown  
Notary Public

**CERTIFICATE OF MAILING**

I do hereby certify that this correspondence is being deposited with the United States Postal Service on 7-17, 2000 as First Class Mail, postage prepaid, in an envelope addressed to: Commissioner of Patents and Trademarks, Washington, DC 20231.

  
Beth Pearson-Naul

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicants:	Xiaoming Tang, et al.	§	
		§	Attorney Docket No.: 584-22268-US
Serial No.:	09/597,022	§	
		§	Examiner: N/A
Filing Date:	June 20, 2000	§	
		§	Group Art No.: N/A
Title:	"Method for Enhancing Resolution of Earth Formation Elastic-Wave Velocities by Isolating a Wave Event and Matching It for All Receiver Combinations on an Acoustic-Array Logging Tool"	§	
		§	
		§	
		§	
		§	
		§	

**BOX ASSIGNMENT**

Commissioner of Patents and Trademarks  
Washington, DC 20231


**TRANSMITTAL**

Please find enclosed the Assignment and Recordation Cover Sheet for the above-referenced application.

The Commissioner is authorized to charge any additional fees or credit any overpayments to Deposit Account **02-0429 (584-22268-US)**.

Respectfully submitted,

July 17, 00  
Date

  
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