

04-03-2006



103210389

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

03-27-06

| | |
|--|--|
| 1. Name of conveying party(ies) See Attached Additional name(s) of conveying party(ies) attached? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | 2. Name and address of receiving party(ies) Name: <u>Halliburton Energy Services, Inc.</u> Internal Address: _____ Street Address: <u>10200 Bellaire Boulevard</u> City: <u>Houston</u> State: <u>TX</u> Country: <u>US</u> Zip: <u>77072</u> Additional name(s) & address(es) attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No |
| 3. Nature of conveyance/Execution Date(s): Execution Date(s) <u>See Attached</u> <input checked="" type="checkbox"/> Assignment <input type="checkbox"/> Merger <input type="checkbox"/> Security Agreement <input type="checkbox"/> Change of Name <input type="checkbox"/> Joint Research Agreement <input type="checkbox"/> Government Interest Assignment <input type="checkbox"/> Executive Order 9424, Confirmatory License <input type="checkbox"/> Other _____ | 4. Application or patent number(s): <input type="checkbox"/> This document is being filed together with a new application. A. Patent Application No.(s) <u>11/213,653</u> B. Patent No.(s) Additional numbers attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No |
| 5. Name and address to whom correspondence concerning document should be mailed: Name: <u>John W. Wustenberg</u> Internal Address: <u>Halliburton Energy Services, Inc.</u> Street Address: <u>2600 South 2nd</u> City: <u>Duncan</u> State: <u>OK</u> Zip: <u>73533</u> Phone Number: <u>580-251-3782</u> Fax Number: <u>580-251-3917</u> Email Address: <u>John.Wustenberg@Halliburton.com</u> | 6. Total number of applications and patents involved: <u>1</u> 7. Total fee (37 CFR 1.21(h) & 3.41) \$ <u>40.00</u> <input type="checkbox"/> Authorized to be charged by credit card <input checked="" type="checkbox"/> Authorized to be charged to deposit account <input type="checkbox"/> Enclosed <input type="checkbox"/> None required (government interest not affecting title) 8. Payment Information a. Credit Card Last 4 Numbers <u>11213653</u> Expiration Date _____ b. Deposit Account Number <u>08-0300</u> Authorized User Name <u>Halliburton</u> |
| 9. Signature: <u>John W. Wustenberg</u> Signature Date: <u>21 MAR 06</u> John W. Wustenberg Name of Person Signing Total number of pages including cover sheet, attachments, and documents: <input type="checkbox"/> | |

Documents to be recorded (Including cover sheet) should be faxed to (571) 273-0140, or mailed to:
Mail Stop Assignment Recordation Services, Director of the USPTO, P.O.Box 1450, Alexandria, V.A. 22313-1450

11213653
00400048 080300
40.00 BA
03/31/2006 10:00 AM
01 FC:8021

Continuation of Item 1 and Item 3.

Name of conveying Parties and Nature of conveyance/Execution Dates:

| | |
|------------------------|------------|
| Wei Han | 10/14/2005 |
| Robert Birchak | 10/11/2005 |
| Tom Ritter | 10/12/2005 |
| Dan Kusmer | 10/13/2005 |
| Diederik van Batenburg | 11/09/2005 |
| Kwang Yoo | 01/25/2006 |
| William Trainor | 03/18/2006 |

ASSIGNMENT

Whereas, I/We, **Wei Han, Robert Birchak, William Trainor, Tom Ritter, and Kwang Yoo** all of Harris County TX, **Dan Kusmer** of Ft. Bend County TX and **Diederik van Batenburg** of Delft The Netherlands have invented **APPARATUS FOR GENERATING ACOUSTIC WAVES** for which I have made application for Letters Patent of the United States; and

Whereas, HALLIBURTON ENERGY SERVICES, INC., a Delaware Corporation, having a place of business at 10200 Bellaire Boulevard, Houston, Texas 77072 is desirous of acquiring an interest therein;

NOW, THEREFORE, for good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, I/We, by these presents do sell, assign and transfer and convey unto HALLIBURTON ENERGY SERVICES, INC., its successors and assigns, the full and exclusive right, for the United States of America and its territorial possessions and for any and all foreign countries, in and to the said invention, described in the Patent Application serial number 11/213,653 filed on August 26, 2005, and any divisional, continuing or reissue application based on the present application preparatory to obtaining Letters Patent of the United States therefor; said invention, application and any and all Letters Patent issuing therefor to be held and enjoyed by HALLIBURTON ENERGY SERVICES, INC., for its own use and behoof, and for its legal representatives, successors and assigns, to the full end of the term for which said Letters Patent may be granted, as fully and entirely as the same would have been held by me and had this assignment and sale not been made.

And I do further agree to sign all papers, make all rightful oaths and do all requisite acts for the filing of any disclaimer or for the filing and assignment of any divisional, continuing or reissue application or applications for patent based on the present application, as well as for any other U.S. or foreign application for patent which relates to the said invention.

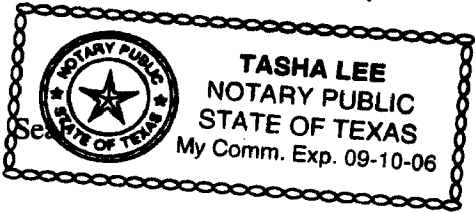
And I do further agree to communicate to HALLIBURTON ENERGY SERVICES, INC., its successors, assign or other legal representatives, such facts relating to the invention disclosed in the present application or Letters Patent issuing thereon as may be known to me, and to testify as to such facts in any interference or other litigation.

Executed this 14th day of October, 2005, at Bank of America

Wei Han
Wei Han

STATE OF TX)
) ss
COUNTY OF Harris)

Before me personally appeared said Wei Han and acknowledged the foregoing instrument to be his free act and deed this 14 day of October, 2005.



Tasha Lee
(Notary)

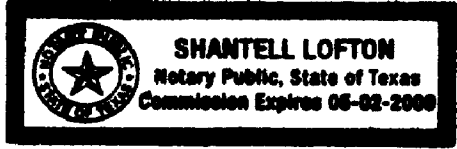
My Commission Expires: 9/10/06
Commission Number:

Executed this 11th day of OCTOBER, 2005, at Houston, Texas

Robert Birchak
Robert Birchak

STATE OF)
) ss
COUNTY OF)

Before me personally appeared said **Robert Birchak** and acknowledged the foregoing instrument to be his free act and deed this 11 day of 10, 2005.



Seal

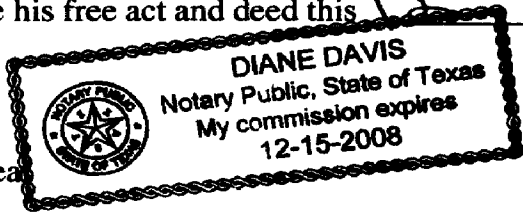
Shantell Lofton
(Notary)

My Commission Expires:
Commission Number:

Executed this 12th day of Oct., 2005, at _____

Tom Ritter
Tom Ritter

Before me personally appeared said **Tom Ritter** and acknowledged the foregoing instrument to be his free act and deed this 12 day of October, 2005.



Seal

Diane Davis
(Notary)

My Commission Expires: 12-15-08
Commission Number:

007790624

Executed this 13 day of Oct, 2005, at Houston, TX

Dan Kusmer
Dan Kusmer

Before me personally appeared said **Dan Kusmer** and acknowledged the foregoing instrument to be his free act and deed this 13th day of Oct, 2005.

Judith L. Seble
(Notary)



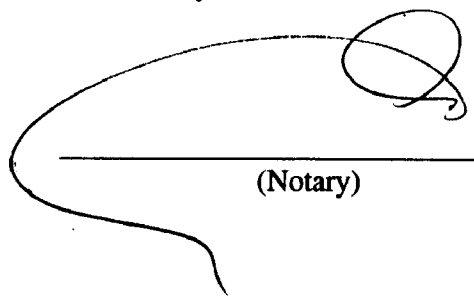
My Commission Expires: 10/03/08
Commission Number: 61997-7

Executed this 9 day of nov, 2005, at Leiderdorp

Diederik van Batenburg
Diederik van Batenburg

Before me personally appeared said **Diederik Van Batenburg** and acknowledged the foregoing instrument to be his free act and deed this _____ day of _____, 2005.

Seal

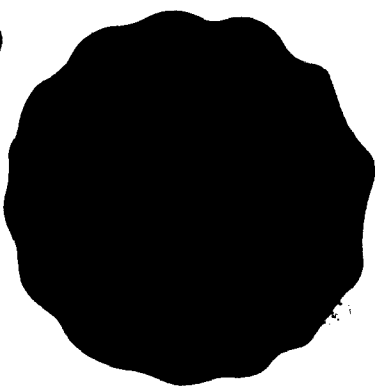


(Notary)

My Commission Expires:
Commission Number:

Seen for legalization of the
signature of: mr
D.W. van Batenburg

by me, notary, on this day of
9/11/2005
mr JHT Brouwers
substitute of
mr FC Bakker



Executed this 18th day of March, 2005, at Houston, TX

William Trainor
William Trainor

Before me personally appeared said **William Trainor** and acknowledged the foregoing instrument to be his free act and deed this _____ day of _____, 2005.

Seal _____
(Notary)

My Commission Expires:
Commission Number:

ASSIGNMENT

Whereas, I/We, **Wei Han, Robert Birchak, William Trainor, Tom Ritter, and Kwang Yoo** all of Harris County TX, **Dan Kusmer** of Ft. Bend County TX and **Diederik van Batenburg** of Delft The Netherlands have invented **APPARATUS FOR GENERATING ACOUSTIC WAVES** for which I have made application for Letters Patent of the United States; and

Whereas, HALLIBURTON ENERGY SERVICES, INC., a Delaware Corporation, having a place of business at 10200 Bellaire Boulevard, Houston, Texas 77072 is desirous of acquiring an interest therein;

NOW, THEREFORE, for good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, I/We, by these presents do sell, assign and transfer and convey unto HALLIBURTON ENERGY SERVICES, INC., its successors and assigns, the full and exclusive right, for the United States of America and its territorial possessions and for any and all foreign countries, in and to the said invention, described in the Patent Application serial number 11/213,653 filed on August 26, 2005, and any divisional, continuing or reissue application based on the present application preparatory to obtaining Letters Patent of the United States therefor; said invention, application and any and all Letters Patent issuing therefor to be held and enjoyed by HALLIBURTON ENERGY SERVICES, INC., for its own use and behoof, and for its legal representatives, successors and assigns, to the full end of the term for which said Letters Patent may be granted, as fully and entirely as the same would have been held by me and had this assignment and sale not been made.

And I do further agree to sign all papers, make all rightful oaths and do all requisite acts for the filing of any disclaimer or for the filing and assignment of any divisional, continuing or reissue application or applications for patent based on the present application, as well as for any other U.S. or foreign application for patent which relates to the said invention.

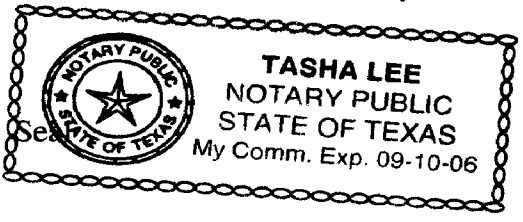
And I do further agree to communicate to HALLIBURTON ENERGY SERVICES, INC., its successors, assign or other legal representatives, such facts relating to the invention disclosed in the present application or Letters Patent issuing thereon as may be known to me, and to testify as to such facts in any interference or other litigation.

Executed this 14th day of October, 2005, at Bank of America

Wei Han
Wei Han

STATE OF TX)
) ss
COUNTY OF Harris)

Before me personally appeared said **Wei Han** and acknowledged the foregoing instrument to be his free act and deed this 14 day of October, 2005.



Tasha Lee
(Notary)

My Commission Expires: 9/10/06
Commission Number:

Executed this 11th day of OCTOBER, 2005, at HOUSTON, TEXAS

Robert Birchak
Robert Birchak

STATE OF)
) ss
COUNTY OF)

Before me personally appeared said **Robert Birchak** and acknowledged the foregoing instrument to be his free act and deed this 11 day of 10, 2005.

Seal



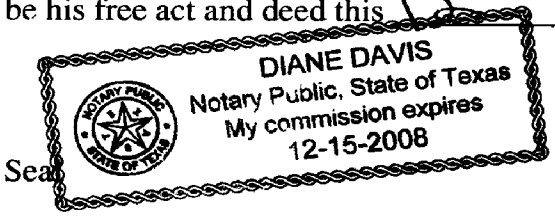
Shantell Lofton
(Notary)

My Commission Expires:
Commission Number:

Executed this 12th day of Oct., 2005, at _____

Tom Ritter
Tom Ritter

Before me personally appeared said **Tom Ritter** and acknowledged the foregoing instrument to be his free act and deed this 12 day of Oct., 2005.



Diane Davis
(Notary)

My Commission Expires: 12-15-08
Commission Number:

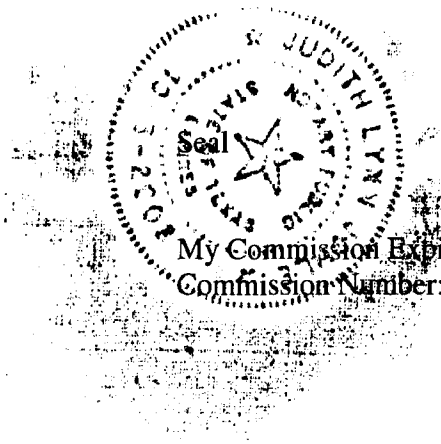
007790624

Executed this 13 day of Oct, 2005, at Houston, TX

Dan Kusmer
Dan Kusmer

Before me personally appeared said **Dan Kusmer** and acknowledged the foregoing instrument to be his free act and deed this 13th day of Oct, 2005.

Judith L. Seble
(Notary)



My Commission Expires: 10/03/08
Commission Number: 61997-7

Executed this 9 day of nov, 2005, at Leiderdorp

D. van Batenburg

Diederik van Batenburg

Before me personally appeared said **Diederik Van Batenburg** and acknowledged the foregoing instrument to be his free act and deed this _____ day of _____, 2005.

Seal

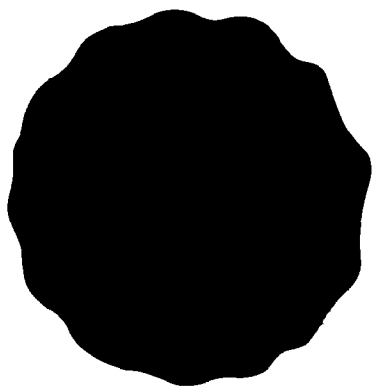
[Handwritten signature]

(Notary)

My Commission Expires:
Commission Number:

Seen for legalization of the
signature of: *mr*
D.W. van Batenburg

by me, notary, on this day of
9/11/2005
mr JHT Brouwers
substitute of
mr FC Bekker



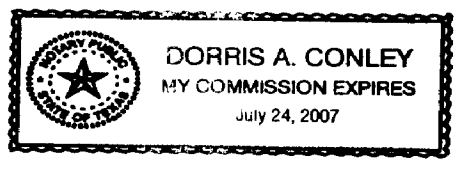
Executed this 25 day of Jan, 2006, at _____

Kwang Yoo
Kwang Yoo

STATE OF TEXAS)
) ss
COUNTY OF HARRIS)

Before me personally appeared said Kwang Yoo and acknowledged the foregoing instrument to be his free act and deed this 25 day of JAN, 2006

Seal



Dorris A. Conley
(Notary)

My Commission Expires: 7/24/2007
Commission Number: 01158836-5