

11-01-2004

10/22/04

Form PTO-1595  
(Rev. 10/02)

RECOF

S. DEPARTMENT OF COMMERCE  
U.S. Patent and Trademark Office

OMB No. 0651-0027 (exp. 6/30/2005)

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To the Honorable Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereof.

## 1. Name of conveying party(ies):

Engels, Ole; Barolak, Joseph G.; Patterson,  
Douglas J.

## 2. Name and address of receiving party(ies)

Name: BAKER HUGHES INCORPORATED

Internal Address: \_\_\_\_\_

Additional name(s) of conveying party(ies) attached? ☐ Yes ☒ No

## 3. Nature of conveyance:

- ☒ Assignment ☐ Merger  
☐ Security Agreement ☐ Change of Name  
☐ Other \_\_\_\_\_

Street Address: 3900 Essex Lane

Suite 1200

City: Houston State: Texas Zip: 77027Execution Date: 10/15/04; 10/07/04; 10/13/04Additional name(s) & address(es) attached? ☐ Yes ☒ No

## 4. Application number(s) or patent number(s):

If this document is being filed together with a new application, the execution date of the application is: 10/22/04

A. Patent Application No.(s)

B. Patent No.(s)

Additional numbers attached? ☐ Yes ☒ No

## 5. Name and address of party to whom correspondence concerning document should be mailed:

Name: MADAN, MOSSMAN & SRIRAM, P.C.

Internal Address: \_\_\_\_\_

Street Address: 2603 Augusta

Suite 700

City: Houston State: Texas Zip: 770576. Total number of applications and patents involved: 1

## 7. Total fee (37 CFR 3.41).....\$ \_\_\_\_\_

☐ Enclosed☒ Authorized to be charged to deposit account

## 8. Deposit account number:

02-0429 (584-37248-USCP)

(Attach duplicate copy of this page if paying by deposit account)

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.*

David A. Walker

Signature

October 22, 2004

Date

Name of Person Signing

DBYRNE 00000024 020429 10971485

Total number of pages including cover sheet, attachments, and documents: 4Mail documents to be recorded with required cover sheet information to:  
Commissioner of Patents & Trademarks, Box Assignments  
Washington, D.C. 20231

11/01/2004

01 FC:8021

40.00 DA

PATENT

REEL: 015927 FRAME: 0452

## **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 AND APPARATUS FOR GENERATION OF ACOUSTIC SHEAR WAVES THROUGH CASING USING A PHYSICAL COUPLING OF VIBRATING MAGNETS**" (further identified as Serial No. Docket No. 584-37248-USCIP) 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.

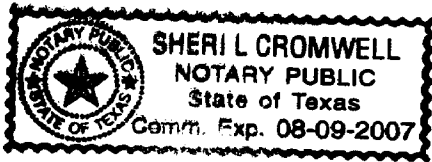
IN WITNESS WHEREOF, the undersigned have hereunto subscribed their name(s) on the date set opposite their signature(s).


(Signature)   
Name: Ole Engels

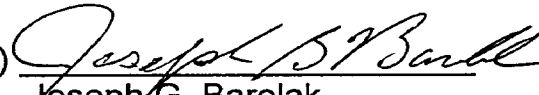
Date 10-15-04

§  
§

BEFORE ME, the undersigned authority, on this 15<sup>th</sup> day of October, 2004 personally appeared **Ole Engels** 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.



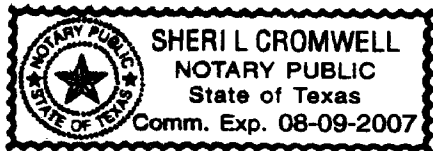
  
Notary Public/Witness

(Signature)   
Name: Joseph G. Barolak

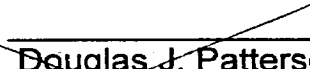
Date Oct 7, 2004

§  
§

BEFORE ME, the undersigned authority, on this 7<sup>th</sup> day of October, 2004 personally appeared **Joseph G. Barolak** 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.



  
Notary Public/Witness

(Signature)   
Name: Douglas J. Patterson

Date \_\_\_\_\_

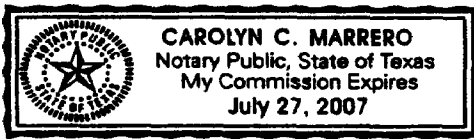
§  
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(Signature) *Douglas J. Patterson*  
Name: Douglas J. Patterson

Date 10/13/04

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§

BEFORE ME, the undersigned authority, on this 13<sup>th</sup> day of October, 2004 personally appeared **Douglas J. Patterson** 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.



*Carolyn C. Marrero*  
Notary Public/Witness