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Form PTO-1595 (Rev. 08/05)
OMB No. 0651-0027 (exp. 6/30/2008)

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

1. Name of conveying party(ies)

- 1. John D. Macpherson
- 2. Frank W. Shepard
- 3. Ralf Zaepfer
- 4. Volker Krueger

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

2. Name and address of receiving party(ies)

Name: Baker Hughes Incorporated
 Internal Address: 2929 Allen Parkway, Suite 2100
Houston, Texas 77019-2118, USA

Street Address: SAME

City: _____

State: _____

Country: _____ Zip: _____

Additional name(s) & address(es) attached? Yes No

3. Nature of conveyance/Execution Date(s):

Execution Date(s) 1. 8/15/06 2. 7/14/06 3. 7/13/06 4. 7/13/06

- Assignment Merger
- Security Agreement Change of Name
- Joint Research Agreement
- Government Interest Assignment
- Executive Order 9424, Confirmatory License
- Other

4. Application or patent number(s):

This document is being filed together with a new application.
A. Patent Application No. (s) B. Patent No. (s)

A. Patent Application No. (s)

11/431,736

Additional numbers attached? Yes No

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

Name: Madan, Mossman & Sriram, P.C.

Internal Address: 2803 Augusta, Suite 700

Street Address: SAME

City: Houston

State: Texas Zip: 77057

Phone Number: 713-266-1130

Fax Number: 713-266-8510

Email Address: mpruitt@madanlaw.com

6. Total number of applications and patents involved: 1

7. Total fee (37 CFR 1.21(h) & 3.41) \$ 40.00

- Authorized to be charged by credit card
- Authorized to be charged to deposit account
- Enclosed
- None required (government interest not affecting title)

8. Payment Information

a. Credit Card Last 4 Numbers _____
Expiration Date _____

b. Deposit Account Number 02-0429(564-40979-US)

Authorized User Name Paul S. Madan

9. Signature: Paul S. Madan

Signature

September 6, 2006

Date

Paul S. Madan, Reg. No.: 33,011

Name of Person Signing

Total number of pages including cover sheet, attachments, and documents: 6

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 1460, Alexandria, V.A. 22313-1460

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ASSIGNMENT SEP 06 2006

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 **2929 ALLEN PARKWAY, SUITE 2100, HOUSTON, TEXAS 77019-2118**, 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 "**BIDIRECTIONAL TELEMETRY APPARATUS AND METHODS FOR WELLBORE OPERATIONS**," further identified as U.S. Application Serial No.: **11/431,736**, filed **May 10, 2006**, 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.

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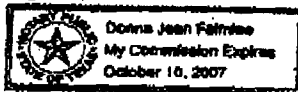
IN WITNESS WHEREOF, the undersigned has hereunto subscribed his name on the date set opposite his signature.

(Signature) *John D. Macpherson*
Name: **John D. Macpherson**

Date 8.15.06

§
§

BEFORE ME, the undersigned authority, on this 15th day of August, 2006 personally appeared **John D. Macpherson**, 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.



Donna Jean Fairlee
Notary Public

(Signature) _____
Name: **Frank W. Shepard**

Date _____

§
§

BEFORE ME, the undersigned authority, on this _____ day of _____, 2006 personally appeared **Frank W. Shepard**, 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

564-40979-US

IN WITNESS WHEREOF, the undersigned has hereunto subscribed his name on the date set opposite his signature.

(Signature) _____ Date _____
Name: **John D. Macpherson**

§
§

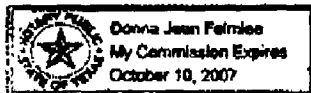
BEFORE ME, the undersigned authority, on this _____ day of _____, 2006 personally appeared **John D. Macpherson**, the person whose name is subscribed to the foregoing instrument and acknowledged to me that he executed the same of his own free will for the purposes and consideration therein expressed.

Notary Public

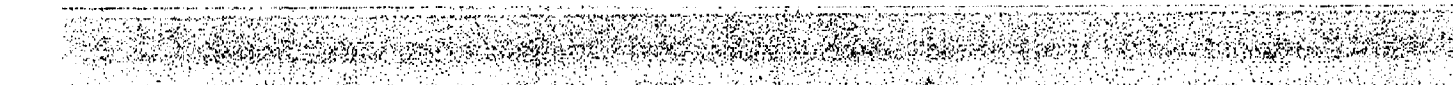
(Signature) Frank W. Shepard Date July 17, 2006
Name: **Frank W. Shepard**

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BEFORE ME, the undersigned authority, on this 14th day of July, 2006 personally appeared **Frank W. Shepard**, 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.



Donna Jean Felmlee
Notary Public



564-40979-US

(Signature) *Ralf Zaepfer* Date 07/13/2006
Name: **Ralf Zaepfer**

§
§

BEFORE ME, the undersigned authority, on this _____ day of _____, 2006 personally appeared **Ralf Zaepfer**, 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

(Signature) *Volker Krueger* Date July 13, 2006
Name: **Volker Krueger**

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BEFORE ME, the undersigned authority, on this _____ day of _____, 2006 personally appeared **Volker Krueger**, 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