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

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**Conveying Party(ies)**
- Name (line 1): David Hamilton
- Name (line 2): 
- Second Party
- Name (line 1): Walter Castleberry
- Name (line 2): 

**Receiving Party**
- Name (line 1): Schlumberger Resource Management Services, Inc.
- Name (line 2): 
- Address (line 1): 5430 Metric Place, Building 300
- Address (line 2): 
- Address (line 3): Norcross, Georgia 30092-2550

**Domestic Representative Name and Address**
Enter for the first Receiving Party only.
- Name: 
- Address (line 1): 
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Page 2

Correspondent Name and Address

Name: Tim F. Williams
Address (line 1): DORITY & MANNING, P.A.
Address (line 2): Post Office Box 1449
Address (line 3): Greenville, South Carolina 29602-1449

Area Code and Telephone Number: 864-271-1592

Pages

Enter the total number of pages of the attached conveyance document including any attachments. # 5

Application Number(s) or Patent Number(s)

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

Patent Application Number(s) 09/602,038

Mark if additional numbers attached

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.

Patent Cooperation Treaty (PCT)

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

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): $ 40.00

Method of Payment:

Enclosed X Deposit Account

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Deposit Account Number: # 04-1403

Authorization to charge additional fees:

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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.

Tim F. Williams, Esq.
Name of Person Signing

Signature 10/3/2000 Date

PATENT
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Conveying Party(ies)  
X  Mark if additional names of conveying parties attached

Enter additional Conveying Parties

Name (line 1)  John Scarborough
Name (line 2)  
Name (line 1)  
Name (line 2)  
Name (line 1)  
Name (line 2)  
Execution Date  
Month  Day  Year
9  20  2000

Receiving Party(ies)  
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Address (line 1)  
Address (line 2)  
Address (line 3)  
City  State/Country  Zip Code

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)
09/602,038

Patent Number(s)
ASSIGNMENT

WHEREAS, WE, DAVID HAMILTON, a citizen of the United States, residing at 2261 Longwood Drive, Auburn, Alabama, 36830, WALTER CASTLEBERRY, a citizen of the United States, residing at 787 Stableway Road, Pike Road, Alabama, 36064, and JOHN SCARBOROUGH, a citizen of the United States, residing at 1670 Millbranch Dr., Auburn, Alabama, 36832, (hereinafter also referenced collectively as the "Inventors"), have invented certain new and useful improvements in METHOD AND APPARATUS FOR DETERMINING THE DIRECTION AND RATE OF ROTATING ELEMENT as described and set forth in an application for Letters Patent of the United States of America, as filed on June 23, 2000 and assigned Application Serial Number 09/602,038;

AND WHEREAS, SCHLUMBERGER RESOURCE MANAGEMENT SERVICES, INC., hereinafter referred to as the "said COMPANY" a corporation duly organized, incorporated and existing under the laws of DELAWARE, and having a place of business at 5430 METRIC PLACE, BLDG. 300, NORCROSS, GEORGIA 30092-2550, is desirous of acquiring or confirming its ownership of the entire right, title and interest in and to said invention, inventions or improvements, and in and to said application, and in and to any and all patents, both of the United States and of all foreign countries, that may be obtained therefor;

NOW, THEREFORE, TO ALL WHOM IT MAY CONCERN, BE IT KNOWN, that we, the Inventors, for good and valuable considerations, the receipt and sufficiency of which we
hereby acknowledge, have sold, assigned, transferred and conveyed, and by this assignment, do sell, assign, transfer and convey, unto said COMPANY, its successors and assigns, the entire right, title and interest throughout the world, in and to our invention, inventions or improvements described or set forth in said application, in any form or embodiment thereof, and in and to said application, and in and to any applications filed in any foreign country based thereon, including the right to file foreign applications under the provisions of any convention or treaty; and in and to any confirmation, divisional, continuation, continuation-in-part or substitute application which may be filed on said invention, inventions or improvements in the United States or in any foreign country; and in and to any and all patents, certificates, utility models, reissues, extensions, additions or confirmations thereof which may be granted in the United States or in any foreign country upon said invention, inventions or improvements, TO HAVE AND TO HOLD the same to the full end of the term or terms for which any and all such United States and foreign patents and grants may be issued on said invention, inventions, or improvements.

AND WE do hereby authorize and request the issuing authority to issue any and all of said United States and foreign patents on said application or applications to said COMPANY, its successors and assigns, as the assignee of the entire right, title and interest in and to the same, for the sole use and benefit of said COMPANY, its successors and assigns.
hereby acknowledge, have sold, assigned, transferred and
coneyed, and by this assignment, do sell, assign, transfer
and convey, unto said COMPANY, its successors and assigns,
the entire right, title and interest throughout the world,
in and to our invention, inventions or improvements
described or set forth in said application, in any form or
embodiment thereof, and in and to said application, and in
and to any applications filed in any foreign country based
thereon, including the right to file foreign applications
under the provisions of any convention or treaty; and in and
to any confirmation, divisional, continuation, continuation-
in-part or substitute application which may be filed on said
invention, inventions or improvements in the United States
or in any foreign country; and in and to any and all
patents, certificates, utility models, reissues, extensions,
additions or confirmations thereof which may be granted in
the United States or in any foreign country upon said
invention, inventions or improvements, TO HAVE AND TO HOLD
the same to the full end of the term or terms for which any
and all such United States and foreign patents and grants
may be issued on said invention, inventions, or
improvements.

AND WE do hereby authorize and request the issuing
authority to issue any and all of said United States and
foreign patents on said application or applications to said
COMPANY, its successors and assigns, as the assignee of the
entire right, title and interest in and to the same, for the
sole use and benefit of said COMPANY, its successors and
assigns.
AND WE do hereby covenant and warrant that we have full right to convey the entire right, title and interest herein assigned free and clear of all licenses, encumbrances and liens whatsoever, and that we have not executed and will not execute any instruments in conflict herewith.

AND WE, for the consideration aforesaid, do hereby covenant and agree to and with the said COMPANY, its successors and assigns, that we, our heirs, executors, administrators, or other personal representatives, shall and will do all lawful acts and things, make all rightful oaths, and make, execute and deliver any and all other instruments in writing, and any and all further applications, papers, power, affidavits, assignments, disclaimers and other documents, which in the opinion of counsel for said COMPANY, its successors and assigns, may be required or necessary in this or in any foreign country more effectually to secure to and vest in said COMPANY, its successors and assigns, the entire right, title and interest in and to said invention, inventions or improvements, application or applications, patents, rights, titles, benefits, privileges and advantages hereby sold, assigned, confirmed, transferred and conveyed.

This ASSIGNMENT executed on the date or dates indicated below.

9-20-00
DATE

DAVID HAMILTON

STATE OF ALABAMA )
COUNTY OF ELMORE ) ss.

3
On this 20th day of September, 2000, appeared before me DAVID HAMILTON, to me identified as the individual referred to in the foregoing instrument, and he acknowledged to me that he executed same as his free act and deed for the uses and purposes therein set forth.

Sonya K. Suggs
NOTARY PUBLIC

[SEAL]

MY COMMISSION EXPIRES:

NOTARY PUBLIC STATE OF ALABAMA AT LARGE
MY COMMISSION EXPIRES: Jan 26, 2004
BONDED THREE NOTARY PUBLIC UNDERWRITERS

Date: ______________

9/20/2000
DATE

WALTER CASTLEBERRY

STATE OF Alabama } ss.
COUNTY OF Elmore }}

On this 20th day of September, 2000, appeared before me WALTER CASTLEBERRY me identified as the individual referred to in the foregoing instrument, and he acknowledged to me that he executed same as his free act and deed for the uses and purposes therein set forth.

Sonya K. Suggs
NOTARY PUBLIC

[SEAL]

MY COMMISSION EXPIRES:

NOTARY PUBLIC STATE OF ALABAMA AT LARGE
MY COMMISSION EXPIRES: Jan 26, 2004
BONDED THREE NOTARY PUBLIC UNDERWRITERS

Date: ______________
On this 20th day of September, 2000, appeared before me JOHN SCARBOROUGH to me identified as the individual referred to in the foregoing instrument, and he acknowledged to me that he executed same as his free act and deed for the uses and purposes therein set forth.

Sonya K. Sugg
NOTARY PUBLIC

[SEAL]

MY COMMISSION EXPIRES:

NOTARY PUBLIC STATE OF ALABAMA AT LARGE
MY COMMISSION EXPIRES: Jan 26, 2004

Date: 10/06/2000