



03-25-2003

102399463
PATENTS ONLY

Attorney Docket N° 60.1504

FORM PTO-1595
1/31/92U.S. DEPARTMENT OF COMMERCE
Patent and Trademark Office

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

1. Name of conveying party(ies):

3-17-03
Soraya S. Betancourt, Anthony Goodwin, Go Fujisawa,
Oliver C. Mullins, Hani Elshahawi, Julian Pop,
Terizhandur S. Ramakrishnan, and Li JiangAdditional name(s) of conveying party(ies) attached ☐ Yes ☒ No

3. Nature of Conveyance:

- ☒ Assignment ☐ Merger (of entire interest)
☐ Security Agreement ☐ Change of Name
☐ Other

Execution Date(s): 17 December 2002, 17 December 2002,
16 December 2002, 16 December 2002, 13 December 2002,
6 December 2002, 7 January 2003, and 7 January 2003

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

Name: Schlumberger Technology CorporationInternal Address: IP Law DepartmentStreet Address: 36 Old Quarry RoadCity: Ridgefield State: Connecticut ZIP: 06877-4108

Additional 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

A. Patent Application No.(s)

10/309,849

B. Patent No.(s)

Additional numbers attached? ☐ Yes ☒ No5. Name and address of party to whom
correspondence concerning document
should be mailed

Name: _____

Internal Address: Intellectual Property Law DepartmentSchlumberger-Doll ResearchStreet Address: 36 Old Quarry RoadCity: Ridgefield State: CT ZIP: 06877-4108

6. Total number of applications and patents involved: [1]

7. Total fee (37 CFR 3.41): \$40.00☐ Enclosed☒ Authorized to be charged to
deposit account8. Deposit account number: 19-0615
(Attach duplicate copy of this page if
paying by deposit account)

DO NOT USE THIS SPACE

9. Statement and signature.

*To be 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*William B. Batzer
Registration No. 37,088

Signature

March 7, 2003
Date

Total number of pages including cover sheet: [9]

OMB No. 0651-0011 (exp. 4/94)

Do not detach this portion

Mail documents to be recorded with required cover sheet information to:

03/24/2003 GTDN11 00000087 190615 10309849
01 FC:8021 40.00 CHAssistant Commissioner for Patents
Box Assignments
Washington, D.C. 20231PATENT
REEL: 013867 FRAME: 0435

ASSIGNMENT

WHEREAS, I/We, **Soraya S. Betancourt** (Inventor), a citizen of Venezuela, whose post office address is 2 Vine Lane, Ridgefield, CT 06877, USA; **Anthony Goodwin** (Inventor), a citizen of the United States of America, whose post office address is 69 Coles Road, Cambridge CB4 6BL, United Kingdom; **Go Fujisawa** (Inventor), a citizen of Japan, whose post office address is 1 Beaver Brook Road, Unit #45, Danbury, CT 06810, USA; **Oliver C. Mullins** (Inventor), a citizen of the United States of America, whose post office address is 48 Lewis Drive, Ridgefield, CT 06877, USA; **Hani Elshahawi** (Inventor), a citizen of Egypt, whose post office address is 2920 Shadowbriar Drive, Apt.1121, Houston TX 77063, USA; **Julian Pop** (Inventor), a citizen of Australia, whose post office address is 9550 Ella Lee Lane, #2101, Houston, TX 77063, USA; **Terizhandur S. Ramakrishnan** (Inventor), a citizen of the United States of America, whose post office address is 29 Oak Ridge Road, Bethel, CT 06801, USA; and **Li Jiang** (Inventor), a citizen of China, whose post office address is 47 Almoners Avenue, Cambridge CB1 8NZ, United Kingdom, have invented

METHODS AND APPARATUS FOR THE DOWNHOLE CHARACTERIZATION OF FORMATION FLUIDS

as described and set forth in U. S. Patent Application Serial No. 10/309,849, filed December 3, 2002, (Attorney Docket No. 60.1504).

AND WHEREAS, SCHLUMBERGER TECHNOLOGY CORPORATION, its successors and assigns (COMPANY), a corporation organized, incorporated and existing under the laws of Texas, and having a place of business at 36 Old Quarry Road, Ridgefield, CT 06877-4108, U.S.A., wants to acquire or confirm its acquisition of the entire right, title and interest in this invention, inventions or improvements, application, and any patent, both in the United States and all foreign countries;

NOW, THEREFORE, TO ALL WHOM IT MAY CONCERN, BE IT KNOWN, that I/we, the inventor(s), for good, sufficient and valuable considerations, assign, transfer and convey to the COMPANY the entire right, title and interest throughout the world, in my/our invention as described in such an application, including the right to file foreign applications under the provisions of any convention or treaty; any confirmation, divisional, continuation, continuation-in-part, or substitute application which may be filed on this invention anywhere; and any patents, certificates, utility models, reissues, extensions, additions or confirmations which may be granted anywhere for the invention, TO HAVE AND TO HOLD the same to the full end of the term or terms for which any such patent may be issued.

AND I/we authorize and request the appropriate authority to issue any related patent to the COMPANY as the assignee of the entire right, title and interest in the patent, for the sole use and benefit of the COMPANY.

AND I/we covenant and warrant that I/we have full right to convey the entire right, title and interest in this invention free and clear of all licenses, encumbrances or liens, and that I/we have not executed and will not execute any instruments in conflict with this agreement.

AND I/we agree that I/we, my/our executors, administrators, or other personal representatives, shall do whatever is legally necessary (make all rightful oaths, execute, and deliver any and all other instruments in writing, and any and all further applications, papers, powers, affidavits, assignments, disclaimers and other documents) in the opinion of counsel for the COMPANY, to secure and vest in the COMPANY, the entire right, title and interest in this invention, inventions, or improvements, application or applications, patents, rights, titles, benefits, privileges and advantages.

IN WITNESS WHEREOF, I sign this 17th day of December, 2002.


Soraya S. Betancourt

STATE OF CONNECTICUT)
)
COUNTY OF FAIRFIELD)

BE IT KNOWN, that on this 17th day of December, 2002,
SORAYA S. BETANCOURT personally appeared to me and executed this assignment.


Ruth A. Schreiber
Notary Public

SEAL

MY COMMISSION EXPIRES
JULY 31, 2005

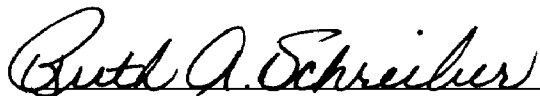
IN WITNESS WHEREOF, I/we sign this 17 day of December, 2002.



Anthony Goodwin

STATE OF CONNECTICUT)
)
COUNTY OF FAIRFIELD)

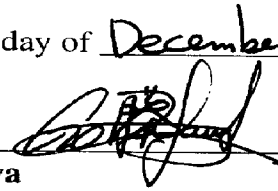
BE IT KNOWN, that on this 17th day of December, 2002,
ANTHONY GOODWIN personally appeared to me and executed this assignment.



Ruth A. Schreiber
Notary Public MY COMMISSION EXPIRES
 JULY 31, 2005

SEAL

IN WITNESS WHEREOF, I sign this 16 day of December, 2002.


Go Fujisawa

STATE OF CONNECTICUT)
)
COUNTY OF FAIRFIELD)

BE IT KNOWN, that on this 16th day of December, 2002,
GO FUJISAWA personally appeared to me and executed this assignment.


Ruth A. Schreiber **MY COMMISSION EXPIRES**
Notary Public **JULY 31, 2005**


SEAL

IN WITNESS WHEREOF, I sign this 16th day of December, 2002.


Oliver C. Mullins

STATE OF CONNECTICUT)
)
COUNTY OF FAIRFIELD)

BE IT KNOWN, that on this 16th day of December, 2002,
OLIVER C. MULLINS personally appeared to me and executed this assignment.


Ruth A. Schreiber
Notary Public
MY COMMISSION EXPIRES
JULY 31, 2005

SEAL

4

5

8

IN WITNESS WHEREOF, I sign this 13th day of December, 2002.

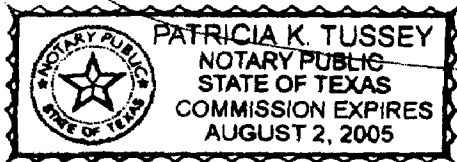
Hani Elshahawi
Hani Elshahawi

STATE OF Texas)
)
COUNTY OF Harris)

BE IT KNOWN, that on this 13th day of December, 2002,
HANI ELSHAHAWI personally appeared to me and executed this assignment.

Patricia K. Tussey
Notary Public

SEAL



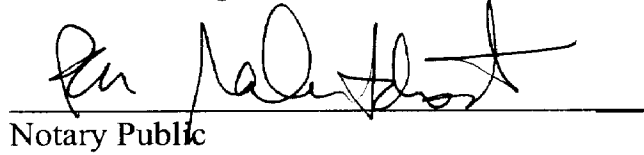
IN WITNESS WHEREOF, I sign this 6th day of December, 2002.



Julian Pop

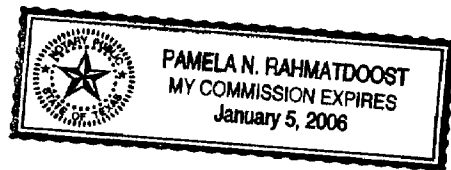
STATE OF Texas)
COUNTY OF Fort Bend)

BE IT KNOWN, that on this 6th day of December, 2002,
JULIAN POP personally appeared to me and executed this assignment.



Notary Public

SEAL



IN WITNESS WHEREOF, I sign this 7th day of January, 2003.

Terizhandur S. Ramakrishnan

Terizhandur S. Ramakrishnan

STATE OF CONNECTICUT)
)
COUNTY OF FAIRFIELD)

BE IT KNOWN, that on this 7th day of January, 2003,
TERIZHANDUR S. RAMAKRISHNAN personally appeared to me and executed this
assignment.

Ruth A. Schreiber

Ruth A. Schreiber

Notary Public

**MY COMMISSION EXPIRES
JULY 31, 2005**

SEAL

IN WITNESS WHEREOF, I/we sign this 7 day of Jan, 2002³



Li Jiang

WITNESSED:

BE IT KNOWN, that LI JIANG is known to us to be the individual described in this assignment, that on this 7 day of January, 2002³ we were personally present and did see him sign and execute this assignment and that he acknowledged to us that he executed the same as his free act and deed for the uses and purposes therein set forth.

LESLIE EDWARDS
First Witness

20 CARIS BROOK ROAD

CAMBRIDGE CB4 3LR

UNITED KINGDOM
Post Office Address

ANNA BRUCE - Anna Bruce
Second Witness

THE CHESTNUTS, LONG LANE,

FOWLMERE, HERTFORDSHIRE

SG8 7TA, UNITED KINGDOM
Post Office Address