

517107

Form PTO-1595

(Rev. 03/01)

OMB No. 0651-0027 (exp. 5/31/2002)

RECORDATION I

05-14-2002

DEPARTMENT OF COMMERCE
S. Patent and Trademark Office

P



Tab settings ⇌ ⇌ ⇌

102088125

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

1. Name of conveying party(ies):

HOCKING, Grant
WELLS, Samuel L.

MAY 7 2002

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

2. Name and address of receiving party(ies)

Name: Golder Sierra LLC

Internal Address: _____

Street Address: 3730 Chamblee Tucker Road

City: Atlanta State: GA Zip: 30341

Additional Name(s) & address(es) attached? ☐ Yes ☒ No

3. Nature of conveyance:

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

Execution Date: 04/08/2002

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

If this document is being filed together with a new application, the execution data of the application is:

A. Patent Application No.(s)

09/721,455

B. Patent No.(s)

Additional numbers attached? ☐ Yes ☒ No

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

Name: Eric J. Hanson, Esq.

Internal Address: Smith, Gambrell & Russell, LLP

Suite 3100, Promenade II

Street Address: 1230 Peachtree Street, N.E.

City: Atlanta State: GA Zip: 30309

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 account

8. Deposit account number:

(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.

Eric J. Hanson, Reg. No. 44,738
Name of Person Signing

[Signature]
Signature

April 24, 2002
Date

Total number of pages including cover sheet, attachments, and documents: 3

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

Commissioner of Patents & Trademarks, Box Assignments
Washington, D.C. 20231

05/14/2002 TBIAZ1 00000002 09721455

01 FC:581

40.00 OP

PATENT
REEL: 012878 FRAME: 0621

ASSIGNMENT

This Assignment agreement is applicable to an invention entitled **Azimuth Control Of Hydraulic Vertical Fractures In Unconsolidated And Weakly Cemented Soils And Sediments.**

The PATENT RIGHTS referred to in this agreement are:

- (check one) ☐ a patent application about to be filed in the United States Patent and Trademark Office.
- ☐ a patent application for this invention, executed by the ASSIGNORS concurrently with this assignment.
- ☒ U.S. Patent Application No. **09/721,455**, filed **11/22/2000**.
- ☐ a U.S. patent application based on PCT International Application No. _____ filed on (date) _____ (U.S. patent application Serial No. _____, if known).
- ☐ U.S. Patent No. _____, issued _____.

The PATENT RIGHTS also include all non-provisionals, divisions, reissues, continuations and extensions of the patent application identified above.

The PATENT RIGHTS assigned under this agreement are:

- (check one) ☐ U.S. patent rights only.
- ☒ Worldwide patent rights. In this case, the assignee shall have the right to claim the benefit of the filing date of any U.S. or foreign patent application for this invention.

The ASSIGNORS referred to in this agreement are the inventors whose signatures appears on page 2 of this Assignment.

The ASSIGNEE referred to in this agreement is:

(Name of Assignee) **Golder Sierra LLC**

(Address) **3730 Chamblee Tucker Road, Atlanta, Georgia 30341**.

The ASSIGNEE is:

- (check one) ☐ An Individual.
- ☐ A Partnership.
- ☒ A Corporation of **Delaware** (specify state or country)
- ☐ (other) _____

The ASSIGNORS, in consideration of \$10.00 paid by the ASSIGNEE, and other good and valuable consideration, the receipt and sufficiency of which is acknowledged, hereby assign the following rights to the ASSIGNEE, its successors and assigns:

the full and exclusive right to the invention;

the entire right, title and interest in and to the PATENT RIGHTS;

LIT/738663.1

ASSIGNEE: Golder Sierra LLC

INVENTION TITLE: Azimuth Control Of Hydraulic Vertical Fractures In Unconsolidated And Weakly Cemented Soils And Sediments

the right to sue and recover for any past infringement; and,
the right to claim priority under 35 USC 119, 35 USC 120, or any other applicable provisions, based on any earlier patent applications for this invention.

As to all U.S. patent applications assigned under this agreement, the ASSIGNORS hereby authorize and request the Commissioner of Patents and Trademarks to issue all Letters Patent to the ASSIGNEE as the assignee of the entire right, title and interest, for the sole use and enjoyment of said ASSIGNEE, its successors and assigns.

Further, the ASSIGNORS agree to communicate to said ASSIGNEE, or its representatives, any facts known to the ASSIGNORS respecting said invention, and testify in any legal proceedings, sign all lawful papers, execute all divisional, continuation, substitute, renewal, reexamination and reissue applications, execute all necessary assignment papers to cause any and all Letters Patent to be issued to said ASSIGNEE, make all rightful oaths and generally do everything necessary or desirable to aid said ASSIGNEE, its successors and assigns, to obtain and enforce proper protection for said invention.

The ASSIGNORS authorize any attorneys and agents who have a power of attorney in this application to check any appropriate boxes and to insert the Application Number and filing date in this document after it has been executed.

Grant Hocking
Name of Inventor #1


Signature

4/8/02
Date

Samuel L. Wells
Name of Inventor #2


Signature

4/8/02
Date