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



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To the Director of the U.S. Patent

and documents or the new address(es) below.

1. Name of conveying party(ies)

Halliburton Energy Services, Inc.

2. Name and address of receiving party(ies)

Name: Wavefront Energy and Environmental Services, Inc.

Internal Address: _____

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

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

Execution Date(s) 06/11/2007

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

Street Address: Suite 100, 17608-103 Avenue

City: Edmonton

State: Alberta

Country: Canada Zip: T5S 1J9

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

4. Application or patent number(s):

☐ This document is being filed together with a new application.

A. Patent Application No.(s)

11/142,864

B. Patent No.(s)

Additional numbers attached? ☐ Yes ☒ No

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

Name: John W. Wustenberg

Internal Address: Halliburton Energy Services, Inc.

Street Address: 2600 South Second Street

City: Duncan

State: OK Zip: 73533

Phone Number: 580-251-3782

Fax Number: 580-251-3917

Email Address: John.Wustenberg@Halliburton.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 11142864
Expiration Date _____

b. Deposit Account Number 08-0300

Authorized User Name Halliburton

9. Signature:

John W. Wustenberg
Signature

12 JUN 07
Date

John W. Wustenberg
Name of Person Signing

Total number of pages including cover sheet, attachments, and documents: 2

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 1450, Alexandria, V.A. 22313-1450

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ASSIGNMENT OF UNITED STATES PATENT APPLICATION

WHEREAS, Halliburton Energy Services, Inc., a Delaware corporation, hereinafter referred to as "Assignor", is the owner by mesne assignment of the following United States Patent Application:

<u>Appl. No.</u>	<u>Title</u>	<u>Filing Date</u>
11/142,864	Method And Apparatus For Generating Fluid Pressure Pulses	June 1, 2005

WHEREAS, Wavefront Energy and Environmental Services Inc., an Alberta, British Columbia, Canada corporation, hereinafter referred to as "Assignee", desires to acquire an undivided one-half right, title, and interest in the same;

NOW, THEREFORE, for good, adequate, and valuable consideration, the receipt of which is hereby acknowledged, Assignor by these presents does hereby sell, assign, and transfer unto Assignee an undivided one-half right, title, and interest in and to the Patent Application aforesaid and the invention described therein; also an undivided one-half right, title, and interest in and to any and all additional patents, reissues, or extensions thereof to be obtained in the United States and elsewhere upon the invention, and any divisional, continuation, continuation-in-part, substitute applications, or supplementary disclosures that may be filed in the United States and throughout the world upon the invention, the same to be held and enjoyed by the Assignee for its own use and benefit, and for its legal representatives and assigns, to the full end of the term for which any Patent is granted, as fully and entirely as the same would have been held by Assignor, had this assignment and sale not been made.

Executed this 11 day of June, 2007.

HALLIBURTON ENERGY SERVICES, INC.

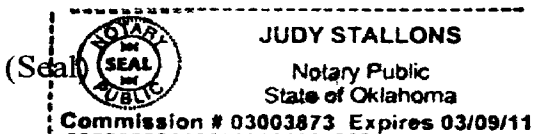
By:

Title: Vice President Technology

TECHNOLOGY	<input checked="" type="checkbox"/>
LAW DEPT	<input type="checkbox"/>
ACCOUNTING	<input type="checkbox"/>

State of Oklahoma)
) ss.
County of Stephens)

Before me personally appeared Joe M. Sandy in his capacity as Vice President Technology of Halliburton Energy Services, Inc., and acknowledged the foregoing instrument to be his free act and deed this 11th day of June, 2007.



Judy Stallons
(Notary Public)

My Commission Expires: March 9, 2011