

## PATENT ASSIGNMENT

Electronic Version v1.1

Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT						
NATURE OF CONVEYANCE:	ASSIGNMENT						
CONVEYING PARTY DATA							
<table border="1"><thead><tr><th>Name</th><th>Execution Date</th></tr></thead><tbody><tr><td>Jerry L Walker</td><td>12/20/2005</td></tr><tr><td>Jim Gilbert</td><td>12/20/2005</td></tr></tbody></table>	Name	Execution Date	Jerry L Walker	12/20/2005	Jim Gilbert	12/20/2005	
Name	Execution Date						
Jerry L Walker	12/20/2005						
Jim Gilbert	12/20/2005						
RECEIVING PARTY DATA							
Name:	Halliburton Energy Services, Inc.						
Street Address:	10200 Bellaire Boulevard						
City:	Houston						
State/Country:	TEXAS						
Postal Code:	77072						
PROPERTY NUMBERS Total: 1							
<table border="1"><thead><tr><th>Property Type</th><th>Number</th></tr></thead><tbody><tr><td>Application Number:</td><td>11273476</td></tr></tbody></table>	Property Type	Number	Application Number:	11273476			
Property Type	Number						
Application Number:	11273476						
CORRESPONDENCE DATA							
Fax Number:	(972)418-3877						
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>							
Phone:	972-418-3892						
Email:	sandy.warren@halliburton.com						
Correspondent Name:	Halliburton Energy Services, Inc.						
Address Line 1:	2601 Beltline Road						
Address Line 2:	1-B-121						
Address Line 4:	Carrollton, TEXAS 75006						
ATTORNEY DOCKET NUMBER:	2004-IP-016168 U1P1 USA						
NAME OF SUBMITTER:	Sandy Warren						
Total Attachments: 3 source=2004-IP-016168 U1P1 USA#page1.tif source=2004-IP-016168 U1P1 USA#page2.tif							

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PATENT  
REEL: 016930 FRAME: 0385



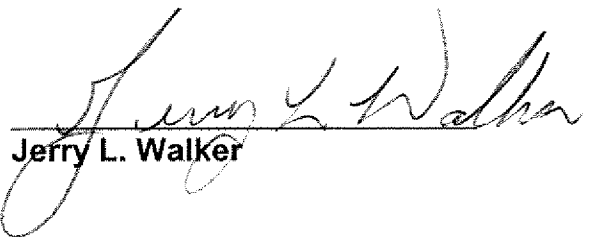
**ASSIGNMENT**

IN CONSIDERATION OF TEN DOLLARS (\$10.00) cash in hand paid to me by HALLIBURTON ENERGY SERVICES, INC., and other valuable consideration, the receipt and sufficiency of which are hereby acknowledged, **Jerry L. Walker and Jim Gilbert**, having made an invention in a **"Debris Reduction Perforating Apparatus"** while in the employ of HALLIBURTON ENERGY SERVICES, INC., a corporation organized and existing under the laws of the State of Delaware, doing business at 10200 Bellaire Boulevard, Houston, Texas 77072, (sometimes hereinafter called "ASSIGNEE"), do hereby ASSIGN, SELL and CONVEY to said ASSIGNEE, its successors and assigns, the entire right, title and interest throughout the world in and to:

1. Said invention in a **"Debris Reduction Perforating Apparatus"**;
2. United States of America patent application on said invention, Attorney File No. **2004-IP-016168 U1P1 USA**, U.S. Serial No. **11/273,476**, filed **November 14, 2005** executed by us, entitled **"Debris Reduction Perforating Apparatus"**;
3. All applications for patent or like protection on said invention that have now been or may in the future be made by us or our legal representatives, whether in the United States of America or any other place anywhere in the world;
4. All patents and like protection that have now been or may in the future be granted on said invention to us or our legal representatives, whether in the United States of America or in any other country or place anywhere in the world;
5. All substitutions for and divisions, continuations, continuations-in-part, renewals, reissues, extensions, and the like of said applications and patents and like grants, including without limitations, those obtained or permissible under past, present and future law and statutes;
6. All rights of action on account of past, present and future unauthorized use of said invention for infringement of said patents and like protection;
7. The right to ASSIGNEE to file in its name applications for patents and like protection for said invention in any country or countries foreign to the United States; and

8. All international rights of priority associated with said invention, applications, patents and like protection; and we covenant that we, our heirs, legal representatives, assigns, administrators, and executors will at the expense of ASSIGNEE, its successors and assigns, execute all papers and perform such other acts as may be reasonably necessary to give ASSIGNEE, its successors and assigns, the full benefit of this Assignment.

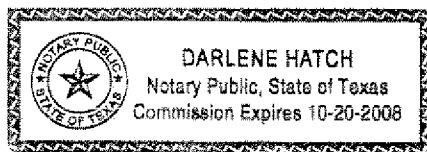
EXECUTED at Johnson County, Texas, on the 20<sup>th</sup> day of December, 2005.

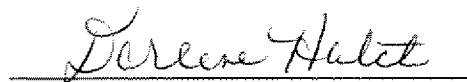
  
Jerry L. Walker

STATE OF Texas §  
COUNTY OF Johnson §

BEFORE ME, the undersigned authority, on this day personally appeared **Jerry L. Walker** known to me to be the person whose name is subscribed to the foregoing instrument, and acknowledged to me that he executed the same for the purposes and consideration therein expressed.

GIVEN UNDER MY HAND AND SEAL OF OFFICE, this the 20<sup>th</sup> day of December, 2005.



  
Notary Public

[SEAL]

My Commission Expires: 10/20/2008

EXECUTED at Johnson County, Texas, on the 20 day  
of December, 2005.

Jim Gilbert  
Jim Gilbert

STATE OF Texas §  
COUNTY OF Johnson §

BEFORE ME, the undersigned authority, on this day personally appeared **Jim Gilbert** known to me to be the person whose name is subscribed to the foregoing instrument, and acknowledged to me that he executed the same for the purposes and consideration therein expressed.

GIVEN UNDER MY HAND AND SEAL OF OFFICE, this the 20th  
day of December, 2005.

Darlene Hatch  
Notary Public

[SEAL]

My Commission Expires: 10/20/2008

