501834012 02/27/2012

PATENT ASSIGNMENT

Electronic Version v1.1 Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT	
NATURE OF CONVEYANCE:	ASSIGNMENT	

CONVEYING PARTY DATA

Name	Execution Date	
Bradley L. TODD	04/14/2010	
Thomas D. WELTON	04/14/2010	
Luke W. HOLDERMAN	04/27/2010	
Ivan SULEIMAN	04/14/2010	

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

Property Type	Number
Application Number:	13406359

CORRESPONDENCE DATA

Fax Number: (972)516-0608 **Phone**: 972-516-0030

Email: mail@smithipservices.com

Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent

via US Mail.

Correspondent Name: SMITH IP SERVICES, P.C.

Address Line 1: P.O. Box 997

Address Line 4: Rockwall, TEXAS 75087

ATTORNEY DOCKET NUMBER: 2010-IP-031138 U1C1 US

NAME OF SUBMITTER: Sally Ann Smith

Total Attachments: 8

PATENT REEL: 027770 FRAME: 0170 **JP \$40.00 13406359**

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In consideration of one dollar (\$1.00), and other good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, I the undersigned, **Bradley L. TODD**, having made an invention in a "**HIGH STRENGTH DISSOLVABLE STRUCTURES FOR USE IN A SUBTERRANEAN WELL**" 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 "HIGH STRENGTH DISSOLVABLE STRUCTURES FOR USE IN A SUBTERRANEAN WELL";
- 2. United States of America patent application on said invention, Attorney File No. 2010-IP-031138 U1 US, U.S. Serial No. 12/758,781 filed April 12, 2010, executed by me, entitled "HIGH STRENGTH DISSOLVABLE STRUCTURES FOR USE IN A SUBTERRANEAN WELL";
- 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-inpart, 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

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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 Stephens County, Pexas, on the 14th day of April , 2010.

Bradley I Joseph Bradley L. TODD

STATE OF <u>OKLAHOMA</u> S COUNTY OF <u>STEPHENS</u>

BEFORE ME, the undersigned authority, on this day personally appeared **Bradley L. TODD**, 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 _

day of + Dril, 2010.

Notary Public, State of Oklahoma
TAMMY KNIGHT
Commission # 10001384
Stephens Co., Oklahoma
Expires 02-18-2014

[SEAL]

My Commission Expires:

Notary Public

In consideration of one dollar (\$1.00), and other good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, I the undersigned, **Thomas D. WELTON**, having made an invention in a "**HIGH STRENGTH DISSOLVABLE STRUCTURES FOR USE IN A SUBTERRANEAN WELL**" 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 "HIGH STRENGTH DISSOLVABLE STRUCTURES FOR USE IN A SUBTERRANEAN WELL":
- 2. United States of America patent application on said invention, Attorney File No. 2010-IP-031138 U1 US, U.S. Serial No. 12/758,781 filed April 12, 2010, executed by me, entitled "HIGH STRENGTH DISSOLVABLE STRUCTURES FOR USE IN A SUBTERRANEAN WELL":
- 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-inpart, 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

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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 STEPHENS County, Fexas, on the 14th day of

Thomas D. WELTON

STATE OF OCCAHOMA COUNTY OF STEPHEN

BEFORE ME, the undersigned authority, on this day personally appeared Thomas D. WELTON, 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

[SEAL]

My Commission Expires:

Notary Public, State of Oklahoma TAMMY KNIGHT Commission # 10001384 Stephens Co., Oklahoma Expires 02-18-2014

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In consideration of one dollar (\$1.00), and other good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, I the undersigned, Luke W. HOLDERMAN, having made an invention in a "HIGH STRENGTH DISSOLVABLE STRUCTURES FOR USE IN A SUBTERRANEAN WELL" 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 "HIGH STRENGTH DISSOLVABLE STRUCTURES FOR USE IN A SUBTERRANEAN WELL":
- 2. United States of America patent application on said invention, Attorney File No. 2010-IP-031138 U1 US, U.S. Serial No. 12/758,781 filed April 12, 2010, executed by me, entitled "HIGH STRENGTH DISSOLVABLE STRUCTURES FOR USE IN A SUBTERRANEAN WELL";
- 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-inpart, 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

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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.

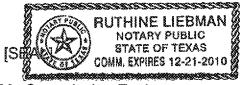
EXECUTED at _	Dallus	County, Texas	, on the	27*	day of
April	, 2010.	· · · · · ·			,

Luke W. HOLDERMAN

STATE OF TEXAS §
COUNTY OF DALLAS §

BEFORE ME, the undersigned authority, on this day personally appeared **Luke W. HOLDERMAN**, 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 27 th day of april , 2010.



My Commission Expires:

Juffein Johnson Notary Public

In consideration of one dollar (\$1.00), and other good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, I the undersigned, Ivan SULEIMAN, having made an invention in a "HIGH STRENGTH DISSOLVABLE STRUCTURES FOR USE IN A SUBTERRANEAN WELL" 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 "HIGH STRENGTH DISSOLVABLE STRUCTURES FOR USE IN A SUBTERRANEAN WELL";
- 2. United States of America patent application on said invention, Attorney File No. 2010-IP-031138 U1 US, U.S. Serial No. 12/758,781 filed April 12, 2010, executed by me, entitled "HIGH STRENGTH DISSOLVABLE STRUCTURES FOR USE IN A SUBTERRANEAN WELL";
- 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-inpart, 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

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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 STEPHENS County, Fexas, on the Hydrod day of pr. 2010.

Ivan SULEIMAN

COUNTY OF STEPHENS

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

GIVEN UNDER MY HAND AND SEAL OF OFFICE, this the _

day of April, 2010

Notary Public

[SEAL]

My Commission Expires:

Notary Public, State of Oklahoma
TAMMY KNIGHT
Commission # 10001384
Stephens Co., Oklahoma
Expires 02-18-2014

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