PATENT ASSIGNMENT

Electronic Version v1.1 Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT	
NATURE OF CONVEYANCE:	ASSIGNMENT	

CONVEYING PARTY DATA

Name	Execution Date
Roger L. Schultz	07/13/2010
Loyd E. East	09/02/2010
Harold G. Walters	07/14/2010
Billy W. McDaniel	07/13/2010
Mohamed Y. Soliman	09/02/2010
Neal G. Skinner	07/13/2010

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:	13614681	

CORRESPONDENCE DATA

Fax Number: 8777697945

Correspondence will be sent via US Mail when the fax attempt is unsuccessful.

214-747-5070 Phone: apsi@fr.com Email: Correspondent Name: Fish & Richardson Address Line 1: P.O. Box 1022

Address Line 4: Minneapolis, MINNESOTA 55440-1022

ATTORNEY DOCKET NUMBER: 17697-0024004

NAME OF SUBMITTER: Karen Vertz

PATENT

REEL: 029156 FRAME: 0348

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Total Attachments: 7

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Docket No. 2009-IP-023624U1

ASSIGNMENT

Whereas, I/We, Roger L. Schultz of Grady County, Oklahoma, Loyd E. East of Harris County, Texas, Harold G. Walters and Billy W. McDaniel of Stephens County, Oklahoma, Mohamed Y. Soliman of Harris County, Texas, and Neal G. Skinner of Denton County, Texas have invented "WELLBORE LASER OPERATIONS" for which I have made application for Letters Patent of the United States; and

Whereas, HALLIBURTON ENERGY SERVICES, INC., a Delaware Corporation, having a place of business at 10200 Bellaire Boulevard, Houston, Texas 77072 is desirous of acquiring an interest therein;

NOW, THEREFORE, for good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, I/We, by these presents do sell, assign and transfer and convey unto HALLIBURTON ENERGY SERVICES, INC., its successors and assigns, the full and exclusive right, for the United States of America and its territorial possessions and for any and all foreign countries, in and to the said invention, described in the Patent Application serial number 12/825,906 filed on June 29, 2010 and any divisional, continuing or reissue application based on the present application preparatory to obtaining Letters Patent of the United States therefor; said invention, application and any and all Letters Patent issuing therefor to be held and enjoyed by HALLIBURTON ENERGY SERVICES, INC., for its own use and behoof, and for its legal representatives, successors and assigns, to the full end of the term for which said Letters Patent may be granted, as fully and entirely as the same would have been held by me and had this assignment and sale not been made.

And I do further agree to sign all papers, make all rightful oaths and do all requisite acts for the filing of any disclaimer or for the filing and assignment of any divisional, continuing or reissue application or applications for patent based on the present application, as well as for any other U.S. or foreign application for patent which relates to the said invention.

And I do further agree to communicate to HALLIBURTON ENERGY SERVICES, INC., its successors, assign or other legal representatives, such facts relating to the invention disclosed in the present application or Letters Patent issuing thereon as may be known to me, and to testify as to such facts in any interference or other litigation.

Execu	ted thisday of	, 2010, at	OK_
		In h had Roger L. Schultz	
STAT COUN	EOF OKlahoma))ss NTY OF Stephens)		
Before to be l	e me personally appeared said Roger L. Sc nis free act and deed this/3 day of	hultz and acknowledged the foreg	oing instrument _, 2010.
Seal	HOLLY FINE NOTARY PUBLIC - STATE OF OKLAHOMA STEPHENS COUNTY MY COMMISSION EXPIRES 10-01-2013 Commission # 09008292	Holly Ine (Notary)	

Executed this Zun day of SEPTEMBER, 2010, at PINNACLE TECHNOLOGY
Loyd E. East
STATE OF TEXAS)
COUNTY OF Harris) ss
Before me personally appeared said Loyd E. East and acknowledged the foregoing instrument to be his free act and deed this
FALYNE J. PERRIN Notary Public, State of Texas My Commission Expires February 23, 2013

Exec	euted this HH day of	July	, 2010, at _	Duncan, OK	American Company Compa
		,	V all	DOL	
			Н	arold G. Walters	
STA COL	TEOF OKlahoma)) ss)			
	re me personally appeare ument to be his free act and				foregoing, 2010.
Seal	HOLLY FINE NOTARY PUBLIC - STATE OF OKLAHO STEPHENS COUNTY MY COMMISSION EXPIRES 10-01-20 Commission # 09008292		Hall	Mare yotary)	

Executed this	, 2010, at <u>Duncon, OK</u>
	Belly M. McDaniel
STATE OF OKlahoma)) ss COUNTY OF Stephens)	
·	
Before me personally appeared said Billy W	7. McDaniel and acknowledged the foregoing
instrument to be his free act and deed this	3th day of July , 2010.
HOLLY FINE NOTARY PUBLIC - STATE OF OKLAHOMA STEPHENS COUNTY MY COMMISSION EXPIRES 10-01-2013	Holly Hore - (Notary)

Executed this 2 nd day of Septemb. 2010, at Pinnacle Technologies Mohamed Y. Soliman
STATE OF Texas) State of Texas) State of Texas) State of Texas)
Before me personally appeared said Mohamed Y. Soliman and acknowledged the foregoing instrument to be his free act and deed this
FALYNE J. PERRIN Notary Public, State of Texas My Commission Expires February 23, 2013 (Notary)

Executed this 13th day of July	, 2010, at Dullo County
	Neall Stein
	Neal G. Skinner
STATE OF TEXAS) COUNTY OF DALLAS) SS	
Before me personally appeared said Neal G. Sk to be his free act and deed this 13th day of	inner and acknowledged the foregoing instrument July , 2010.
Seal	Suttens Jehman (Notary)

RUTHINE LIEBMAN NCTARY PUBLIC STATE OF TEXAS COMM. EXPIRES 12-21-2010

RECORDED: 10/19/2012