!2-3)!-2003
Form PTO-1595 (Rev. 10/02) OMB No. 0651-0027 (exp. 6/30/2005) Tab settings ⇔ ⇔ ▼	U.S. DEPARTMENT OF COMMERCE U.S. Patent and Trademark Office
· · · ·	: Please record the attached original documents or copy thereof.
1. Name of conveying party(ies): Jiten Chatterji Dennis W. Gray Bobby J. King John L. Dennis, Jr. Additional name(s) of conveying party(ies) attached? Yes No	2. Name and address of receiving party(ies) Name: Halliburton Energy Services, Inc. Internal Address:
3. Nature of conveyance: Assignment Merger Security Agreement Change of Name Other	Street Address: 10200 Bellaire Boulevard
Execution Date: December 17, 2003	City: Houston State: ^{TX} Zip: 77072 Additional name(s) & address(es) attached? Yes ✓ No
4. Application number(s) or patent number(s): If this document is being filed together with a new appl A. Patent Application No.(s)	740189 lication, the execution date of the application is: 12/17/03 B. Patent No.(s)
Additional numbers a	ttached? Yes No
5. Name and address of party to whom correspondence concerning document should be mailed: Name: Craig W. Roddy Halliburton Energy Services Internal Address:	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
Street Address: 2600 South Second Street	8. Deposit account number: 08-0300
City: Duncan State: OK Zip: 73536-0440	
DO NOT US	E THIS SPACE
9. Signature. Craig W. Roddy	Tany W. Kroddy 12-17-2003
Name of Person Signing	er sheet attachments and documents:
	er sheet, attachments, and documents: 4
Comprissioner of Patents &	Trademarks, Box Assignments n, D.C. 20231

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PATENT

REEL: 014832 FRAME: 0519

ASSIGNMENT

Whereas, I/We, Jiten Chatterji of Stephens County, Duncan, Oklahoma; Dennis W. Gray, of Stephens County, Comanche, Oklahoma, Bobby J. King, of Stephens County, Duncan, Oklahoma and John L. Dennis, Jr., of Stephens County, Marlow, Oklahoma, have invented WELL COMPLETION SPACER FLUIDS CONTAINING FIBERS AND METHODS 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, in consideration of the sum of ten dollars (\$10.00) and other 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 first executed on <u>December 17, 2003</u>, submitted concurrently berewith and any divisional continuing or reissue application based on

submitted concurrently herewith, 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.

REEL: 014832 FRAME: 0520

ASSIGNMENT

Whereas, I/We, Jiten Chatterji of Stephens County, Duncan, Oklahoma; Dennis W. Gray, of Stephens County, Comanche, Oklahoma, Bobby J. King, of Stephens County, Duncan, Oklahoma and John L. Dennis, Jr., of Stephens County, Marlow, Oklahoma, have invented WELL COMPLETION SPACER FLUIDS CONTAINING FIBERS AND METHODS for which I have made application for Letters Patent of the United States; and

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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.

REEL: 014832 FRAME: 0521

State of Oklahoma) ss County of Stephens) Before me personally appeared said Jiten Chatterji and acknowledged the foregoing instrumer be his free act and deed this 17th day of December, 2003. Seal Notary Public (Notary Public) My Commission Expires: September 13, 2004 Commission Number: 00014119 Executed this 17 day of December, 2003, at Duncan, Stephens County, Oklahoma U.S. Dennis W. Gray Dennis W. Gray State of Oklahoma) ss County of Stephens) Before me personally appeared said Dennis W. Gray and acknowledged the foregoing instrum to be his free act and deed this 17th day of December, 2003.	Executed this 17th	_day of December, 2003,	, at Duncan, Stephens County, Oklahoma U.S.A.
State of Oklahoma) ss County of Stephens) Before me personally appeared said Jiten Chatterji and acknowledged the foregoing instrumer be his free act and deed this			is all of the second
Before me personally appeared said Jiten Chatterji and acknowledged the foregoing instruments be his free act and deed this			
Before me personally appeared said Jiten Chatterji and acknowledged the foregoing instruments be his free act and deed this	State of Oklahoma)	
Seal My Commission Expires: September 13, 2004 Commission Number: 00014119 Executed this	County of Stephens)	
My Commission Expires: September 13, 2004 Commission Number: 00014119 Executed this	Before me personally a	ppeared said Jiten Chatte	rji and acknowledged the foregoing instrument to
My Commission Expires: September 13, 2004 Commission Number: 00014119 Executed this	be his free act and deed	this <u>17th</u> day of	December, 2003.
My Commission Expires: September 13, 2004 Commission Number: 00014119 Executed this	0.1		No. The William
Executed this	Seal		(Notary Public)
State of Oklahoma) ss County of Stephens) Before me personally appeared said Dennis W. Gray and acknowledged the foregoing instrumto be his free act and deed this			
State of Oklahoma)) ss County of Stephens) Before me personally appeared said Dennis W. Gray and acknowledged the foregoing instrumto be his free act and deed this <u>17th</u> day of December, 2003.	Executed this	_day of December, 2003,	at Duncan, Stephens County, Oklahoma U.S.A.
Before me personally appeared said Dennis W. Gray and acknowledged the foregoing instrunto be his free act and deed this <u>17th</u> day of December, 2003.			Dennis W. Gray
Before me personally appeared said Dennis W. Gray and acknowledged the foregoing instrunto be his free act and deed this <u>17th</u> day of December, 2003.	State of Oklahoma)) ss	
to be his free act and deed this 17th day of December, 2003.	County of Stephens)	
	Before me personally a	ppeared said Dennis W.	Gray and acknowledged the foregoing instrument
Seal <u>Dheiler Dibles</u> (Notary Public)	to be his free act and de	ed this <u>17th</u> day of	December, 2003.
	Seal		Dheila Deblis (Notary Public)

My Commission Expires: September 13, 2004 Commission Number: 00014119

> PATENT REEL: 014832 FRAME: 0522

Executed this 17th	_day of December 2003, at Duncan, Stephens County, Oklahoma U.S.A.		
State of Oklahoma	Bobby J. King)) ss		
County of Stephens)		
Before me personally a	ppeared said Bobby J. King and acknowledged the foregoing instrument to		
be his free act and deed	this 17th day of December, 2003.		
Seal	Sheela Diblo		
	(Notary Public)		
My Commission Expires: September 13, 2004 Commission Number: 00014119			
Executed this17th	_day of December 2003, at Duncan, Stephens County, Oklahoma U.S.A.		
State of Oklahoma	John L. Dennis, Jr.		
County of Stephens) ss)		
Before me personally	appeared said John L. Dennis, Jr. and acknowledged the foregoing		
instrument to be his free	e act and deed this 17th day of December, 2003.		
Seal	Shela Debbo		
	(Notary Public)		

My Commission Expires: September 13, 2004 Commission Number: 00014119

Executed this 17th day of December, 2003, at Duncan, Stephens County, Oklahoma U.S.		
		Subserte
		Jiten Chatterji
State of Oklahoma)	
State of Oklahoma County of Stephens) ss)	
Before me personally a	appeared said Jiten Chatt	terji and acknowledged the foregoing instrument to
be his free act and deed	this <u>17th</u> day o	f December, 2003.
		N:
Seal		(Notary Public)
		` , ,
My Commission Expir Commission Number:	es: September 13, 2004 00014119	
Executed this	_day of December, 2003	3, at Duncan, Stephens County, Oklahoma U.S.A.
		Dennis W. Gray
		Dennis W. Gray
State of Oklahoma County of Stephens)	
County of Stephens)	
Before me personally a	appeared said Dennis W.	. Gray and acknowledged the foregoing instrument
to be his free act and de	eed this17th_ day or	f December, 2003.
		· · · · · · · · · · · · · · · · · · ·
Seal		(Notary Public)
		(110mly 1 dollo)

My Commission Expires: September 13, 2004 Commission Number: 00014119

PATENT REEL: 014832 FRAME: 0524

Executed this17th	_day of December 2003, at	Duncan, Stephens County, Oklahoma U.S.A.
		Bobby J. King
	_	Robby I King
State of Oklahoma)	9000) 1. 11119
) ss	
County of Stephens)	
Before me personally a	appeared said Bobby J. King	and acknowledged the foregoing instrument to
•	d this <u>17th</u> day of De	
be his free act and deed	1 tims taly 01 D	500moor, 2005.
		N 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
Seal	_	Sheila Libbo
		(Notary Public)
	es: September 13, 2004	
Commission Number:	00014119	
Executed this 17th	day of December 2002 at	Duncan, Stephens County, Oklahoma U.S.A.
Executed this17th	1_day of December 2003, at	Duncan, stephens County, Oklahoma U.S.A.
	\hookrightarrow	John L. Dennie, Jr.
State of Oldahama	/	John L. Dennie, Jr.
State of Oktanoma) ss	
State of Oklahoma County of Stephens)	
Defere me personally	anneared said John I I	Dennis, Jr. and acknowledged the foregoing
-		
instrument to be his fre	e act and deed this	day of December, 2003.
		h
Seal		Sheele Gibbs (Notary Public)
		(Notary Public)
My Commission Expire	es: September 13, 2004	

RECORDED: 12/18/2003

Commission Number: 00014119

PATENT REEL: 014832 FRAME: 0525