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OMB No. 0651-0027 (exp. 11/30/2008)

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To the Director of the U.S. Patent and Trademark Office: Please	e record the attached documents or the new address(es) below.					
1. Name of conveying party(les)	2. Name and address of receiving party(ies)					
A COURT OF THE PARTY OF THE PAR	Name: Halliburton Energy Services, Inc.					
Jeff Kirsner, Don Siems, Kimberly Burrows-Lawson, David Carbajal, Dale E. Jamison, and Ian Robb	Internal Address:					
Additional name(s) of conveying party(ies) attached? Yes X No	Street Address: 10200 Bellaire Boulevard					
3. Nature of conveyance/Execution Date(s): Execution Date(s) December 10, 2002	Office (Address, 10200 behave bodievald					
Assignment Merger						
Security Agreement Change of Name	City: Houston					
Joint Research Agreement	State: Texas					
Government Interest Assignment						
Executive Order 9424, Confirmatory License	Country: <u>USA</u> Zip: <u>77072-52006</u>					
Other	Additional name(s) & address(es) attached? Yes No					
	document is being filed together with a new application.					
A. Patent Application No.(s) A. Patent Application No.(s) B. Patent No.(s)						
11/633,703; 11/633,704; 11/634,008; 11/633,822; 11/825,236						
A 44121 1 1	ochod? Ves VNo					
Additional numbers at						
5. Name and address to whom correspondence concerning document should be mailed:	6. Total number of applications and patents involved: FIVE					
Name: Karen B. Tripp	7. Total fee (37 CFR 1.21(h) & 3.41) \$40,00					
Internal Address:	7. Total fee (37 OFIX 1.21(II) & 3.41) 9 <u>40,00</u>					
internal Addicess,	X Authorized to be charged to deposit account					
Street Address: DO S. 1994	Enclosed					
Street Address: P.O. Box 1301	None required (government interest not affecting title)					
	8. Payment Information					
City: Houston						
State:Zip:Zip:						
Phone Number: 713 658 9323	Deposit Account Number 50-0807					
Fax Number: 713 658 9410						
Email Address: ktripp@tripplaw.com	Authorized User Name Karen B. Tripp, Attorney					
9. Signature: Koren B. Tupp November 12, 2008						
Signature (Date					
Karen B. Tripp	Total number of pages including cover sheet, attachments, and documents:					
Name of Person Signing	oneer, anavinnemo, and documents.					

Documents to be recorded (including cover sheet) should be faxed to (571) 273-0140, or malled to: Mail Stop Assignment Recordation Services, Director of the USPTO, P.O.Box 1450, Alexandria, V.A. 22313-1450

> **PATENT REEL: 021826 FRAME: 0403**

12-10-02 04:12pm From-BAROID LAB

2819715936



T-224 P.06/09 F-969

2002-JP-007306 (HALB:039)

ASSIGNMENT

Whereas, I/We. IEFF KIRSNER, DON SIEMS, KIMBERLY BURROWS-LAWSON, DAVID CARBAIAL, and DALE E. JAMISON, of Harris County, Houston, Texas, United States of America, and IAN ROBB, of Stephens County, Duncan, Oklahoma, have invented INVERT DRILLINGFILIIDS AND METHODS OF DRILLING BOREHOLES for which I/We are making or 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 77072-5206, 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 filed in the United States on November 12, 2002, and any divisional, continuing or reissue applications 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/We 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/We 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 linigation.

PATENT REEL: 021826 FRAME: 0404

) -0 2	04:13pm	From-BARO	ME LABS		20	18715836	†-ZZ4	P 07/08	F-956
	Executed U.S.A.	this <u>/6 ^{‡(}</u>	_day of	grenber.	2002, 1	at Houston, Ha Signature JEFF KIRSNE		у, Техн	.S,
(State of To	Harris)) ss)						
Ĭ	Before me to be his fi	personally a ree act and de	ippeared said ; eed this <u>10</u> day	of <u>Arce</u>	ER and ac	knowledged the , 2002.	foregoing i	hstrumen	iZ
9		DEA NOTARY PUB MY COMM FEB	OCCCCCCCC NN BILES JUSTATE OF TEXA JUSTAN EXPIRES 28, 2004 SCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCC	8	<u> Sea</u>	(Notary Pub	les Die)		-
E	executed the	nis <u>/o † 4</u>	day of <u>De</u>	<u>cembe</u> s	2002, at	Houston, Harr Signature DON SIEMS	is County.	. Texas,	
	iate of Tex ounty of F)) \$s)		-				
Be be	efore me p his free a	ersonally ap	peared said <u>D</u> his <u>/O</u> day o	ON SIEMS E of <u>Lacent</u>	and acknow	wledged the fore; , 2002.	going instru	ment to	
Se	geneer	rrrrrrr DEAN	CONTRACTOR OF TEXAS	3 4	Jean	<i>a:</i>		- Company	

FEB 26 2004

12-10-02	04:13pm	From-8ARO1	LABS	
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T-ZZ4 P.08/08 F-968

Executed this / O U.S.A.	_day of _ DECE ~ BER	2002, at Houston,	Harris County, Texas,
	**	Signatu KIMBERLY BUF	re RROWS-LAWSON
State of Texas)) ss		
County of Harris	j		
Before me personally a foregoing instrument to	appeared said <u>KIMBERLY</u> be his free act and deed thi	BURROWS-LAWSON is <u>/O</u> dry of <u>&ce</u>	N and acknowledged the
greecececece	N BILES 1 -	Dearn Byl (Notary	200
MY COMMIS	STATE OF TEXAS N BION EXPIRES 18, 2004	(Notary	Public)
Executed this 10 th U.S.A.	day of <u>Arconfor</u> .	2002, at Houston, I Signature DAVID CARI	<u></u>
State of Texas)) ss		
County of Harris Before me personally instrument to be his free	appeared said <u>DAVID CA</u> act and deed this <u>10</u> d	ARBAIAL and acknown as of the control of the contro	wledged the foregoing ノ, 2002.
DEA MOTARY PUB MY COMM FEB	INN BILES LIC, STATE OF TEXAS MSSION EXPIRES 1. 28, 2004	Sean Bill (Notary P	Public)

12-10-02	D4:13pm From-BARGID ABS	2818715936 T-274 P.09/09 F-969
,	Executed this 10 day of December U.S.A.	2002, at Houston, Harris County, Texas, Signature DALE E. JAMISON
	State of Texas) State of Texas State of Tex	E JAMISON and acknowledged the foregoing day of <u>Locondou</u> , 2002.
	DEANN BILES NOTARY PUBLIC. STATE OF TEXAS MY COMMASSION EXPIRES FEB. 28, 2004	Notary Public)
	Executed thisday of U.S.A.	2002, at Houston, Harris County, Texas, Signature
		IAÑ ROBB
	State of Oklahoma)) ss County of Stephens) Before me personally appeared said IAN RG be his free act and deed this day of	OBB and acknowledged the foregoing instrument to
	Seal	(Notary Public)

Signature

Sheila Dilber (Notary Public)

legenui?-	-10w02:10114AM;HA;	CHETON CEMENT		;580+251+4745
* .	Executed this	day of	, 2002, at Houston, Harris	County, Texas U.S.A.
			Signature Dale E. Jamis	
	State of Texas)		
	County of Harris) ss)		
	Before me personali	y appeared said Dale E. J	amison and acknowledged th	e foregoing instrument
			of,	
	Seal		(Notary P	ublic)
	Executed this 10t	<u>h</u> day of <u>December</u>	, 2002, at Duncan, Stephe	ns County, Oklahoma
	U.S.A.		Van	Hoto -

Before me personally appeared said Ian Robb and acknowledged the foregoing instrument to be

his free act and deed this 10th day of December , 2002.

My Commission Expires: September 13, 2004

)) ss

Commission Number: 00014119

State of Oklahoma

County of Stephens

Seal

PATENT REEL: 021826 FRAME: 0408