PATENT ASSIGNMENT

Electronic Version v1.1 Stylesheet Version v1.1

SUBMISSION TYPE:		NEW ASSIGNMENT					
NATURE OF CONVEYANCE:		ASSIGNMENT					
CONVEYING PARTY DATA							
N			lame Execution Date				
Juan Navarro Sorroche				01/13/2011			
RECEIVING PARTY DATA							
Name:	Halliburton Energy Services, Inc						
Street Address:	10200 Bellaire Blvd						
City:	Houston						
State/Country:	TEXAS						
Postal Code:	77072						
PROPERTY NUMBERS Total: 1							
Property Type			Number				
PCT Number: US1		US112	23186				
PCT Number: US1123186 CORRESPONDENCE DATA							
Fax Number: (713)429-1585							
Fax Number. (713)429-1363 Correspondence will be sent via US Mail when the fax attempt is unsuccessful. Phone: 7135894877 735894877							
Phone: 7135894877					24		
Email: bschmidt@wesiplaw.com					d D		
Correspondent Name: William E Schmidt							
Address Line 1:9014 SterlingameAddress Line 4:Houston, TEXAS 77031							
ATTORNEY DOCKET NUMBER:			HAL031431PCT				
NAME OF SUBMITTER:		William E Schmidt					
Total Attachments: 3 source=031431PCT_ASSGN_filed#page1.tif source=031431PCT_ASSGN_filed#page2.tif source=031431PCT_ASSGN_filed#page3.tif							

ASSIGNMENT

WHEREAS, I, Juan Navarro-Sorroche, residing at , Plano, TX 75023, USA, am the inventor of certain new and useful inventions and improvements for which a PCT application is being made for Letters Patent and is further identified by Attorney's Docket No. HAL031431PCT, and is entitled "Neutron Generator and Method of Use."

WHEREAS, I hereby authorize and request the attorneys, representing Halliburton Energy Services, Inc. on this application, at William E Schmidt, PC, or at Halliburton Energy Services, Inc., to insert here, in parentheses (Ser. No $\frac{2CT/vS_U/2.3}{V_0}$ | 86 Filing Date: $\frac{01/31/201}{V_0}$, the filing date and application number of said application, when known.

FOR GOOD AND VALUABLE CONSIDERATION, the receipt, sufficiency and adequacy of which are hereby acknowledged, the undersigned does hereby:

SELL, ASSIGN AND TRANSFER to <u>Halliburton Energy Services</u>, Inc. (the "Assignee"), a corporation of the State of <u>Delaware</u>, having a place of business at <u>10200</u> <u>Bellaire Blvd</u>, <u>Houston</u>, <u>TX 77072</u>, the entire right, title and interest for the United States and all foreign countries in and to: any and all inventions and improvements which are disclosed in the identified PCT application for Letters Patent; such application and all divisional, continuing, substitute, renewal, reissue and all other applications for patent which have been or shall be filed in the United States (including all provisional and non-provisional applications), and in all foreign countries on any of such inventions and/or improvements (including any applications for utility models); all original and reissued patents which have been or shall be issued in the United States and all foreign countries on such inventions and/or improvements; and specifically including the right to file foreign applications under the provisions of any convention or treaty and to claim priority based on the application identified above and any additional priority applications listed below,

Additional Priority Applications: NONF

AUTHORIZE AND REQUEST the issuing authority to issue any and all United States and foreign patents granted on such improvements to the Assignee;

WARRANT AND COVENANT that no assignment, grant, mortgage, license or other agreement affecting the rights and/or property herein conveyed has been or will

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be made to others by the undersigned, and that the full right to convey the same as herein expressed is possessed by the undersigned;

COVENANT, that when requested and without compensation, but at the expense of the Assignee, in order to carry out in good faith the intent and purpose of this Assignment, the undersigned will (1) execute all provisional, non-provisional, divisional, continuing, substitute, renewal, reissue, and all other patent applications on any and all such improvements; (2) execute all rightful oaths, declarations, assignments, powers of attorney and other papers; (3) communicate to the Assignee all facts known to the undersigned relating to such improvements and the history thereof; (4) cooperate with the Assignee in any interference, reexamination, reissue, opposition, dispute, or litigation involving any of the applications or patents for such improvements; and (5) take such further actions as the Assignee shall reasonably consider necessary or desirable for vesting title to such improvements in the Assignee, or for securing, maintaining and enforcing proper patent protection for such improvements;

THIS AGREEMENT IS TO BE BINDING on the heirs, assigns, representatives and successors of the undersigned, and is to extend to the benefit of the successors, assigns and nominees of the Assignee.

AGREED as of the date of my signature below:

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IN TESTIMONY WHEREOF, I hav forming, 2011.	we hereunto set my hand this $\underline{72}$ day of
	1 Norman
STATE OF Texas	Juan Navarro-Sorroche
COUNTY OF Dallas	
On this 13 day of January	2^{01} cg 2010 before menersonally appeared Ju

On this 13 day of <u>January</u>, 2010 before me personally appeared Juan Navarro-Sorroche, to me known and known to me to be the person described in and who executed the foregoing instrument, and he/she duly acknowledged to me that he/she executed the same for the uses and purposes therein set forth.

[SEAL] Notary Public CYNTHIA A. GONZALEZ NOTARY PUBLIC STATE OF TEXAS COMM. EXPIRES 10-29-2011

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RECORDED: 01/31/2011